| | | | | Н | lealth F | Risk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|----------------------|----------|----------|----------|----------|----------|----------|------------|----------|-----------|-----------|----------|----------|----------|--------|----------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN8: Pe | ercentag | ge of st | udents v | vho rare | ly or ne | ver wor | e a seat l | belt (wh | en riding | g in a ca | r driver | by son | neone el | se) | | | |
| | | 31.0 | 29.1 | 23.8 | 19.1 | 15.5 | 12.2 | 11.8 | 11.9 | | 11.4 | 8.1 | 9.0 | 8.5 | Decreased, 1995-2019 | Decreased, 1995-2005 Decreased, 2005-2019 | No change |
| QN9: Pe or more t | | | | | | | vho had | been dri | nking al | cohol (i | n a car | or other | vehicle | e, one | | | 1 |
| | | 45.2 | 39.8 | 35.1 | 32.6 | 31.7 | 25.0 | 27.8 | 24.6 | | 19.3 | 18.5 | 15.7 | 15.8 | Decreased, 1995-2019 | No quadratic change | No change |
| | | | | | | | r vehicl | e when | hev had | been d | rinking | alcohol | (one or | more | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| ijury and | d Violeno | ce | | H | lealth R | Risk Bel | navior a | nd Perc | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------|-------------------------|------|--------|--------|-----------|----------|----------|----------|-----------|------------|----------|-----------|----------|---------|------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | Percentag nys before | | | | | | | | | | | | | | | | |
| • | | | | | | | | | | | 46.0 | 47.0 | 46.4 | 45.8 | No linear change | Not available§ | No change |
| | Percentag ore the su | | udents | who ca | rried a v | veapon | (such as | a gun, k | knife, or | club, on | at leas | t 1 day o | luring t | he 30 | | | |
| | 2: | 5.9 | 20.9 | 20.8 | 20.2 | 16.8 | 19.4 | 18.6 | 16.0 | | 22.2 | 22.1 | 19.8 | 18.8 | No linear change | Decreased, 1995-2003 No change, 2003-2019 | No change |
| | Percentag | | | | | veapon | on schoo | ol prope | rty (such | as a gui | n, knife | or club | o, on at | least 1 | | | |
| | | | | | | | | | | | | 5.9 | 4.2 | 4.6 | No linear change | Not available | No change |
| | | | | | | | | .1 | C. 14 | fo at ask | 2001.00 | on their | way to | or | | | · |
| | Percentag ool (on a | | | | | | | | teit unsa | iie at sci | 1001 01 | on men | way to | OI . | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------------------|----------------------------------|-----------|-----------|---------|------------------------------|------------------------------|----------------------------------|------------------------------------|----------|---------------------|------------------|------------------|----------|-------------------------|------------------|---------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | • | | |
| QN17: survey) | Percenta | age of st | tudents v | who wer | e in a p | hysical | fight (o | ne or m | ore time | s during | the 12 | months | before t | he | | | |
| | | | | | | | | | | | | | 19.7 | 24.7 | No linear change | Not available§ | No change |
| | | | | | | | | | | | | | 17.7 | | Tio miem emmige | | - 10 011111-81 |
| ON19: | Percenta | age of st | tudents v | who wei | e ever 1 | physical | lly force | ed to hav | e sexua | l interco | ourse (w | hen they | | | To meat enange | | |
| QN19: to) | Percenta | age of st | tudents v | who wer | e ever j | physical | lly force | ed to hav | ve sexua | l interco | ourse (w | hen they | | | The smear change | | |
| | Percenta | age of st | tudents v | who wei | re ever j | physical 9.3 | lly force | ed to hav | ve sexua | l interco | ourse (w. 10.2 | hen they | | | No linear change | No quadratic change | No change |
| QN22: | Percenta | age of st | tudents v | who exp | 7.2 | 9.3 d physic | 7.3 | 10.3 | 8.1 | ng physi | 10.2 | 8.4 | did not | t want 10.0 | | No quadratic change | |
| QN22: someone with an | Percenta e they w object o | age of st | | who exp | 7.2 rerience with [cotimes d | 9.3 d physicounting uring th | 7.3 cal dating such the 12 more | 10.3 ng violer ings as tonths bei | 8.1 | ng physi , slamm | 10.2 cally hu | 8.4 art on pu | did not | t want 10.0 y njured | | No quadratic change | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

^{*}Not enough years of data to calculate.

| Total Injury ar | nd Viole | ence | | н | ealth R | isk Beh | avior a | nd Perc | centages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
|--------------------|----------|-----------|---------|--------|-----------|----------|----------|----------|-----------|----------|----------|-----------|-----------|--------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN23: | Percent | age of st | tudents | who we | re bullie | ed on sc | hool pro | perty (e | ever duri | ng the 1 | 12 mont | hs befo | re the su | ırvey) | - | | |
| | | | | | | | | | 22.8 | | 25.2 | 21.4 | 23.3 | 21.0 | No linear change | Not available [§] | No change |
| QN24: Faceboo | | | | | | | | | | | d throug | gh textir | ıg, Insta | ıgram, | | | , |
| | | | | | | | | | | | | 16.6 | 19.4 | 18.1 | No linear change | Not available | No change |
| QN25: stopped | | | | | | | | | | | eks in a | row so | that the | ey . | | | |
| | | | | 24.2 | 28.5 | 26.0 | 25.5 | 23.6 | 27.1 | | 27.3 | 27.5 | 31.3 | 32.7 | Increased, 1999-2019 | No change, 1999-2007 Increased, 2007-2019 | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | H | lealth R | Risk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|------------------|----------------------|----------|---------|---------|-----------|----------------------|----------|----------|------------------|----------|----------|----------|----------|--------|----------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN26: survey) | Percent | age of s | tudents | who sei | riously c | consider | ed attem | pting su | iicide (e | ver duri | ng the 1 | 2 mont | hs befor | e the | | | |
| | | 24.5 | 22.2 | 15.6 | 19.2 | 16.8 | 15.3 | 14.8 | 15.4 | | 14.2 | 16.2 | 20.9 | 17.4 | Decreased, 1995-2019 | Decreased, 1995-2005 Increased, 2005-2019 | No change |
| - | Percenta ne surve | _ | tudents | who ma | ide a pla | an about | how the | ey would | d attemp | t suicid | e (durin | g the 12 | 2 months | S | | | |
| | | 19.6 | 15.6 | 12.4 | 14.3 | 12.9 | 11.0 | 10.1 | 11.3 | | 12.1 | 13.4 | 15.5 | 13.6 | Decreased, 1995-2019 | Decreased, 1995-2007 Increased, 2007-2019 | No change |
| QN28: | Percent | age of s | tudents | who att | empted | suicide | (one or | more tir | nes durii | ng the 1 | 2 month | s befor | e the su | rvey) | | | |
| | | 9.0 | 9.1 | 5.2 | 8.4 | 7.3 | 7.1 | 7.9 | 6.4 | | 6.9 | 9.8 | 8.6 | 8.3 | No linear change | Decreased, 1995-1999 No change, 1999-2019 | No change |
| | | | | | | ide atten 2 month | | | in an in vey) | jury, po | isoning, | , or ove | rdose th | at had | | | |
| | | 3.3 | 3.0 | 2.2 | 1.9 | 2.0 | 1.8 | 2.0 | 2.5 | | 1.9 | 3.2 | 2.9 | 2.5 | No linear change | Decreased, 1995-2001 No change, 2001-2019 | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| Total Tobacco l | Use | | | | | | | | | | | | | | | | |
|--------------------|-----------|---------|----------|---------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-------|----------------------|--|-------------------------|
| | | | | I | Health I | Risk Bel | havior a | nd Pero | centages | 5 | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| QN31: 1 | Percentag | ge of s | students | who fii | st tried | cigarette | e smokir | ng before | e age 13 | years (e | even one | e or two | puffs) | | | | |
| | | | | | | | | | | | | | 9.8 | 9.3 | No linear change | Not available [§] | No change |
| QN32: I survey) | Percentag | ge of s | students | who cu | rrently | smoked | cigarette | es (on at | least 1 | day duri | ng the 3 | 30 days | before t | he | , | | , |
| | 3 | 39.8 | 40.3 | 32.8 | 30.3 | 24.8 | 21.3 | 23.8 | 18.9 | | 14.9 | 11.0 | 9.2 | 6.5 | Decreased, 1995-2019 | Decreased, 1995-2013 Decreased, 2013-2019 | No change |
| QNFRC days bef | | | | dents w | ho curre | ently sm | oked cig | arettes f | requent | ly (on 20 | or mor | re days | during t | he 30 | | | |
| | 2 | 20.9 | 22.3 | 16.3 | 18.0 | 13.6 | 10.8 | 11.5 | 6.8 | | 5.5 | 4.2 | 2.7 | 1.1 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | Decreased |
| QNDAY before th | | | age of s | tudents | who cu | rrently s | moked o | cigarette | s daily (| on all 30 | 0 days d | luring th | e 30 da | ys | | | |
| | 1 | 16.4 | 17.2 | 12.1 | 13.5 | 10.8 | 8.1 | 8.9 | 5.5 | | 3.9 | 3.1 | 2.0 | 0.9 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | Decreased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Γotal Γobacco ¹ | Use | | | Н | ealth Ri | isk Beha | avior ar | nd Perco | entages | | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 † |
|-------------------------------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|----------|---------|--------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| QN34: vape pip eGo, and | es, vapi | ng pens | | | | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | 40.6 | 39.9 | 49.6 | Increased, 2015-2019 | Not available [§] | Increased |
| QN35: e-pipes, Plus, eG | vape pij | pes, vap | ing pens | s, e-hool | kahs, an | d hooka | h pens | [sucĥ as | blu, NJ | | | | | | | | |
| | | | | | | | | | | | | 22.0 | 10.9 | 20.7 | No linear change | Not available | Increased |
| QNFRE during th | | | | | o curren | ntly used | l electro | onic vapo | or produ | icts freq | uently (| on 20 o | r more | days | | | |
| | | | | | | | | | | | | 2.8 | 2.7 | 9.4 | Increased, 2015-2019 | Not available | Increased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Γotal Γobacco ≀ | Use | | | Н | ealth Ri | isk Beha | avior ar | nd Perc | entages | ı | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 [†] |
|----------------------------|---------|---------|-----------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|-----------|--------|----------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QNDAY the 30 da | | | | udents v | who curi | rently us | sed elec | tronic v | apor pro | oducts d | aily (on | all 30 d | lays dur | ring | • | | |
| | • | | • / | | | | | | | | | 1.8 | 2.1 | 6.9 | Increased, 2015-2019 | Not available [§] | Increased |
| QNTB5 | | | | | | smoked | l cigaret | tes or us | sed elec | tronic v | apor pro | oducts | (on at le | east 1 | | | |
| | | | | | | | | | | | | 26.1 | 16.3 | 22.8 | No linear change | Not available | Increased |
| QN36: I (such as survey, a | a conve | enience | store, su | permarl | ket, disc | ount sto | ore, gas | station, | or vape | store, d | uring th | e 30 da | | | | | |
| | | | | | | | | | | | | | 13.2 | 7.0 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Fotal Fobacco | Use | | | | | | | | | | | | | | | | |
|--------------------|----------|----------|-----------|----------|----------|----------|-----------|-----------|------------|-------------|----------|------------|-----------|------|----------------------|--|-----------------------|
| | | | | Н | ealth R | lisk Bel | avior a | nd Per | centages | S | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | 9 | | |
| | ble toba | acco pro | ducts [si | uch as C | Copenha | agen, Gi | rizzly, S | koal, o | (chewin | | | | | nic | | | |
| vapor pr | oddets, | on at ic | ast I da | y during | , the 30 | days oc | rore the | survey | , | | | | 6.1 | 5.5 | No linear change | Not available [§] | No change |
| QN38: during tl | | | | | rently s | moked | cigars (| cigars, o | cigarillos | , or little | e cigars | , on at le | east 1 da | ay | | | |
| J | | | | 19.4 | 16.4 | 13.3 | 14.7 | 15.0 | 13.5 | | 13.3 | 12.1 | 9.2 | 5.4 | Decreased, 1999-2019 | Decreased, 1999-2015 Decreased, 2015-2019 | Decreased |
| QNTB2 before th | | | student | s who c | urrently | / smoke | d cigare | ettes or | cigars (or | n at leas | t 1 day | during t | he 30 da | ays | | | |
| | | | | 38.0 | 34.5 | 28.4 | 26.7 | 28.0 | 24.2 | | 21.0 | 17.6 | 13.2 | 9.0 | Decreased, 1999-2019 | Decreased, 1999-2015 Decreased, 2015-2019 | Decreased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

^{*}Not enough years of data to calculate.

Missouri High School Survey **Trend Analysis Report**

Total Tobacco Use

> Linear Change* **Health Risk Behavior and Percentages** Quadratic Change* Change from 2017-2019 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN39: Percentage of students who tried to quit using all tobacco products (including cigarettes, cigars, smokeless tobacco, shisha or hookah tobacco, and electronic vapor products, ever during the 12 months before the survey, among students who used any tobacco products during the 12 months before the survey)

38.0 49.3 Increased, 2017-2019

Not available§

Increased

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Total Alcohol a | and Oth | er Dru | g Use | Н | lealth R | Risk Beh | avior a | nd Pero | centages | | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 † |
|--------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|----------|------------|----------|------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN40: | Percent | age of s | students | who ha | d their f | irst drin | k of alco | ohol bef | ore age | 13 years | s (other | than a f | ew sips) | | | | |
| | | 39.9 | 33.6 | 33.5 | 30.0 | 25.4 | 24.2 | 20.9 | 20.4 | | 19.5 | 17.3 | 18.4 | 16.0 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | No change |
| QN41: the 30 d | | | | who cu | rrently o | lrank ald | cohol (a | t least o | ne drink | of alcol | hol, on | at least 1 | day du | ring | | | |
| | | 55.7 | 51.4 | 49.9 | 47.6 | 49.2 | 40.8 | 44.4 | 39.3 | | 35.6 | 34.5 | 32.0 | 27.9 | Decreased, 1995-2019 | No quadratic change | No change |
| | students | or five | or more | e drinks | of alcoh | | | | d four or | | | | | | | | |
| | | | | | | | | | | | | | 17.0 | 15.2 | No linear change | Not available [§] | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Total Alcohol a | and Oth | er Dru | g Use | I | Iealth R | Risk Beh | avior a | nd Pero | centages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
|------------------------------|----------|----------|----------|----------|-----------|----------|-----------|-----------|----------|----------|-----------|----------|----------|-------|----------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN44: days bef | | | | | | | | | by some | eone giv | ving it t | o them (| during t | he 30 | | | |
| | | | | | | | | 37.6 | 41.0 | | 34.0 | 39.9 | 42.4 | 40.2 | No linear change | No quadratic change | No change |
| QN47: survey) | Percenta | age of s | students | who cu | rrently ı | used mai | rijuana (| (one or 1 | nore tim | es durin | ng the 3 | 0 days b | efore th | e | | | _ |
| | | 21.8 | 28.2 | 25.6 | 24.4 | 21.8 | 18.1 | 19.0 | 20.6 | | 20.5 | 16.3 | 19.9 | 16.3 | Decreased, 1995-2019 | No quadratic change | No change |
| QN49: differen Hydroco | tly than | how a | doctor t | old then | n to use | it (coun | ting dru | gs such | | | | | 1, | 22.7 | Increased 2017 2010 | Not available§ | Increased |
| | | | | | | | | | | | | | 13.7 | 22.7 | Increased, 2017-2019 | Not available [§] | Iı |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| .01101 u | nd Oth | ci Diu _e | , esc | Н | ealth Ri | sk Beha | vior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------------|----------------------|---------------------|--------|---------|-----------|-----------|-----------|---------|-----------|-----------|----------|-----------|----------|------|----------------|-------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | Percenta ring the | | udents | who eve | er used h | eroin (al | lso calle | d "smac | ek," "jur | ık," or ' | 'China V | White," (| one or r | nore | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | ehavior | | | H | lealth R | Risk Beh | navior a | nd Perc | entages | ; | | | | | Linear Change* | Quadratic Change* | Change fron 2017-2019 |
|-------------------|---------------------|---|-----------------------|----------------------------------|--------------------------|--------------------|------------------|----------------|-----------------|----------|-------------------------|--------------------------|----------|-------------|--|--|--------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| N58: | Percent | age of s | tudents | who eve | er had s | exual in | tercours | e | | | | , | | | | | |
| | | 53.7 | 51.5 | 56.8 | 50.9 | 52.2 | 46.7 | 52.1 | 48.7 | | 43.1 | 37.7 | 41.9 | 44.3 | Decreased, 1995-2019 | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| QN59: | Percent | age of s | tudents | who had | d sexual | l interco | urse for | the first | time be | fore ag | e 13 yea | ırs | | | | | |
|)N59: | Percent | age of s | tudents 8.2 | who had | d sexual 6.5 | l interco 7.0 | urse for 5.9 | the first | time be | fore ag | e 13 yea | 4.1 | 2.5 | 4.6 | Decreased, 1995-2019 | No quadratic change | No change |
| QN61: | Percent | 8.9 | 8.2 tudents | 9.5 who we | 6.5 ere curre | 7.0 | 5.9 | 6.5 | | | 3.9 | 4.1 | | | Decreased, 1995-2019 | No quadratic change | No change |
| QN61: | | 8.9 | 8.2 tudents | 9.5 who we | 6.5 ere curre | 7.0 | 5.9 | 6.5 | 5.7 | | 3.9 | 4.1 | | | Decreased, 1995-2019 Decreased, 1995-2019 | No quadratic change No quadratic change | |
| QN61: luring t | Percenta he 3 mo | 8.9 age of sonths because 39.1 age of s | tudents fore the 36.7 | 9.5 who we survey) 41.6 | 6.5 ere curre 38.8 | 7.0 ently sex 38.4 | 5.9 cually ac | 6.5 etive (had | 5.7 d sexual | interco | 3.9 ourse wi 32.4 | 4.1 th at lea 27.5 | st one p | erson, 33.2 | | | No chang |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| Total | |
|--------|------------------|
| Sexual | Behaviors |

| 5 1997 students ive) | | 2001 ed a con | | 2005 | 2007 | 2009 | 2011 | 2012 | | | | | | |
|----------------------|---------|------------------|---|---|--|---|---|--|--|--|--|------------------|---|--|
| | who use | ed a con | | | | | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | idom du | ring last | sexual | intercou | rse (amo | ong stud | dents wl | no were | • | | | |
| 58.2 | 59.8 | 61.5 | 67.3 | 67.2 | 59.3 | 59.8 | | 58.1 | 56.4 | 51.0 | 56.4 | No linear change | Increased, 1995-2003 Decreased, 2003-2019 | No change |
| | | | | pills bef | ore last | sexual ii | ntercou | rse (to p | orevent j | oregnan | cy, | | | - |
| 20.7 | 20.5 | 21.2 | 24.0 | 18.0 | 18.9 | 24.3 | | 16.0 | 22.9 | 23.7 | 27.4 | No linear change | No quadratic change | No change |
| t | 20.7 | 20.7 20.5 | 20.7 20.5 21.2 age of students who used | 20.7 20.5 21.2 24.0 age of students who used an IUE | 20.7 20.5 21.2 24.0 18.0 age of students who used an IUD (such a | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 age of students who used an IUD (such as Mirer | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 age of students who used an IUD (such as Mirena or Par | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 age of students who used an IUD (such as Mirena or ParaGard) | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 16.0 age of students who used an IUD (such as Mirena or ParaGard) or implementations. | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 16.0 22.9 age of students who used an IUD (such as Mirena or ParaGard) or implant (such | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 16.0 22.9 23.7 age of students who used an IUD (such as Mirena or ParaGard) or implant (such as Imp | | were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 16.0 22.9 23.7 27.4 No linear change age of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon | students who used birth control pills before last sexual intercourse (to prevent pregnancy, were currently sexually active) 20.7 20.5 21.2 24.0 18.0 18.9 24.3 16.0 22.9 23.7 27.4 No linear change No quadratic change age of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | sk Beh | avior ar | nd Perc | entages | ; | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|--|--|------------------------|---------------------|----------------------------------|-------------------|-----------------------|--------------------|--------------------|---------------------------------|--------------------|---|-------------------------------------|-------------------------------|--------------------|----------------------|-------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| control 1 | | ch as N | uvaRing | udents v) before | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.8 | 5.6 | 6.7 | 7.2 | No linear abonce | Not available§ | No change |
| | | | | | | | | | | | | | | 1.2 | No linear change | ivot available | |
| implant control 1 | (such as | s Impla ch as N | non or N uvaRing | udents v (explano) before | n); or a | shot (su | ich as D | epo-Pro | vera), p | atch (su | firena oi | ParaGarthoEvr | ard) or a), or bi | rth | Increased, 2013-2019 | Not available | No change |
| implant control i currently QNDUA pills; an Depo-Pi | (such as ring (such y sexual ALBC: IUD (such rovera), | Percent as I patch (a) | age of s | explano | who use ard) or i | shot (su ual inter | condon (such as | n during Implan | g last ser on or Nusas Nuval | eatch (sugnancy, a | firena or och as O among s 24.4 ercourse on); or a | r ParaGarthoEvr students 33.0 | ard) or a), or bi who we 34.3 | rth ere 40.2 | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | F | Iealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------------------|---------|------|----------------------|---------|----------|----------|-----------|-------------|----------------|---------|------------------|-----------|-------|------|------------------|--|-----------------------|
| 1991 1 | 993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | | | | - | • | • | • | • | | | - | | • | • | • | | |
| QNBCNO: ntercourse | | | _ | | | | - | | prevent | pregnar | ncy duri | ng last s | exual | | | | |
| - | e (amon | | _ | | | | - | | prevent 8.4 | pregnai | ncy duri 16.2 | ng last s | exual | 8.2 | No linear change | Decreased, 1995-2003 Increased, 2003-2019 | No cl |
| - | e (amon | 3.8 | dents w 14.0 tudents | ho were | current | ly sexua | lly activ | re) 10.9 | 8.4 | | 16.2 | 12.1 | 12.7 | | No linear change | , | No c |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | H | lealth I | Risk Be | havior a | and Pero | centages | 1 | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---------------------|------------|----------|-----------|------------------------|--------------------------|---------------------------------------|--------------------|--------------------------|------------|----------|--------------------------|---------------|----------------|--------------|---|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | centile b | | | tile for l | oody ma | ss | | | |
| | | | | 13.4 | 14.7 | 14.9 | 15.8 | 14.2 | 14.3 | | 15.5 | 13.3 | 15.7 | 16.1 | No linear change | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| QNOBE age-spec | | | | | | | h charts | | tile for b | • | ss index | 13.1 | on sex- | and 18.4 | Increased, 1999-2019 | No quadratic change | No change |
| age-spec | eific refe | age of s | lata fron | n the 20 8.9 | 000 CD 12.7 | C growt | th charts |) [§] 11.9 | | | 14.9 | 13.1 | 16.9 | 18.4 | Increased, 1999-2019 | No quadratic change | No change |
| age-spec | eific refe | age of s | lata fron | n the 20 8.9 | 000 CD 12.7 | C growt | th charts | 11.9 100% fru | 14.3 | | 14.9 | 13.1 | 16.9 | 18.4 | Increased, 1999-2019 Increased, 1999-2019 | No quadratic change No quadratic change | No change No change |
| QN69: before the | Percenta | age of s | tudents | 8.9 who did 20.0 | 12.7 1 not dr 19.9 | C growt 12.1 rink fruit 21.3 | 13.8 t juice (1 | 11.9 100% fru 22.1 | 14.3 | one or i | 14.9 more tin 29.2 | 13.1 mes duri | 16.9 ing the 7 | 18.4 days | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

| | | | | Н | ealth R | Risk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--------------------|------|------|-----------|------|---------|----------|----------|---------|------------|----------|----------|-----------|-----------|-------|----------------------|----------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QNFR0: or grape | | | | | | | or drink | 100% f | ruit juice | es (such | as oran | ge juice | , apple j | uice, | • | | |
| | | | | 6.6 | 7.1 | 7.0 | 6.0 | 5.4 | 7.1 | | 7.6 | 6.6 | 7.9 | 7.3 | No linear change | No quadratic change | No change |
| QNFR1: orange j | | | e, or gra | | | | | | | or more | times po | • | | 51.0 | Decreased, 1999-2019 | No quadratic change | No change |
| QNFR2: orange j | | | | | | | | | | or more | times po | er day (s | such as | | | | |
| | | | | 28.5 | 28.6 | 24.7 | 25.9 | 29.1 | 27.8 | | 24.6 | 24.1 | 23.1 | 20.3 | Decreased, 1999-2019 | No change, 1999-2007 | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | H | Iealth F | Risk Bel | havior a | and Per | centages | 1 | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-------|----------|----------|---------|-------------------------|--------------------------|---------------------------|---------------------------|-------------------------|------------------|----------|--------------------------|--------------------------|--------------------------|--------------------|--|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN71: | Percenta | age of s | tudents | who die | d not ea | t green | salad (oı | ne or mo | ore times | during | the 7 da | ays befo | re the si | urvey) | | | |
| | | | | 34.8 | 34.3 | 32.8 | 34.4 | 35.0 | 37.1 | | 41.5 | 43.6 | 45.7 | 42.8 | Increased, 1999-2019 | No quadratic change | No change |
| | | | - | - | | | | | | | - | | | | | | |
| QN72: | Percenta | age of s | tudents | who die | d not ea | t potato | es (one o | or more | times du | ring the | 7 days | before | the surv | ey) | | | |
| QN72: | Percenta | age of s | tudents | who did | d not ea | t potato | 27.0 | or more 29.2 | times du 29.0 | ring the | 7 days 27.9 | before 34.5 | the surv | ey) 36.6 | Increased, 1999-2019 | No quadratic change | No change |
| | | | | 26.8 | 25.1 | 26.7 | 27.0 | 29.2 | | | 27.9 | 34.5 | 33.8 | 36.6 | Increased, 1999-2019 | No quadratic change | No change |
| | | | | 26.8 | 25.1 | 26.7 | 27.0 | 29.2 more ti | 29.0 | | 27.9 | 34.5 efore th | 33.8 | 36.6 | Increased, 1999-2019 No linear change | No quadratic change No quadratic change | No change |
| QN73: | Percenta | age of s | tudents | 26.8 who did 57.6 | 25.1 d not ea 55.9 | 26.7 t carrots 55.9 | 27.0 s (one or 53.6 | 29.2 more ti 56.7 | 29.0 mes duri | ng the 7 | 27.9 7 days b 54.5 | 34.5 efore th 54.8 | 33.8 e survey 58.4 | 36.6 y) 53.0 | , | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | centages | } | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 † |
|----------|-------------|----------|-----------|-------------------------|--------------|---------------|------------------|---------------|---------------------------------|----------|---------------|-------------------|-----------------------|---------------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | salad, po ys before | | | ng Frenc | h fries, t | fried | | | |
| | | | | 6.2 | 4.4 | 4.2 | 4.7 | 6.6 | 6.7 | | 6.3 | 6.1 | 8.4 | 6.5 | Increased, 1999-2019 | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| | | | oes, or p | otato cl | nips], ca | arrots, o | | vegetabl | nes per d les, durin 62.5 | | | | survey) | J | Decreased, 1999-2019 | No quadratic change | No change |
| French i | fries, frie | ed potat | oes, or p | ootato cl 61.6 nts who | 63.4 ate veg | 62.2 getables | 62.4 two or 1 | 59.5 more tin | les, durin | ag the 7 | 58.5 en salac | 58.0 l, potato | survey) 55.4 es [exch | 59.3 ading | Decreased, 1999-2019 | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | H | ealth Ri | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------|------------------------------------|-----------|----------|---------|----------|---------|---------|----------|----------|----------|-------|------|------|------|----------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | 33: Percing French | | | | | | | | | | | | | the | | | |
| | | | | 12.1 | 12.5 | 9.3 | 11.0 | 11.3 | 14.3 | | 11.5 | 10.5 | 9.6 | 10.4 | No linear change | No quadratic change | No change |
| QN76: | Percenta | age of st | udents v | who did | not drii | nk milk | (during | the 7 da | ys befor | e the su | rvey) | | | | | | |
| | | | | 19.6 | 15.3 | 16.8 | 15.0 | 18.3 | 16.7 | | 18.1 | 20.8 | 26.0 | 26.0 | Increased, 1999-2019 | No change, 1999-2009 Increased, 2009-2019 | No change |
| | | | | | | | | | | | | | | | | mercased, 2007-2017 | |
| in a glas | LK1: Per ss or cup uring the | , from a | carton, | or with | cereal a | | | | | | | | | | | mercased, 2007-2017 | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-----------|----------|-----------|-----------|---------|----------|---------|------------|----------|---------|----------|---------|------|------|------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| in a glas | s or cup | , from a | | or with | cereal a | | r more g | | | | | | | | | | |
| | | | | 17.8 | 20.2 | 15.8 | 15.9 | 14.3 | 15.0 | | | 10.4 | | - 0 | D 1 1000 2010 | | |
| | | | | 17.0 | 20.2 | 13.0 | 13.9 | 14.3 | 15.8 | | 11.3 | 10.4 | 6.8 | 7.0 | Decreased, 1999-2019 | Decreased, 1999-2015 Decreased, 2015-2019 | No change |
| QN77: | Percenta | age of st | tudents v | | | | ust (durin | | | | | | 6.8 | 7.0 | Decreased, 1999-2019 | , | No change |
| QN77: | Percenta | age of st | tudents v | | | | | | | | |) | | 15.4 | No linear change | , | No change |
| | | | | who did | not eat | breakfa | | ng the 7 | days be | fore the | survey) | 15.5 | 14.6 | | | Decreased, 2015-2019 | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | Activity | | | Н | alth Ri | sk Beha | avior an | nd Perco | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|----------|----------------------------------|----------|-----------|------------|---------|---------|----------|----------|---------|------|------|------|------|------|------------------|-------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| kind of | Percenta physical fore the | activity | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 45.4 | 45.7 | 46.2 | 48.0 | No linear change | Not available§ | No change |
| 1 day (i | DAY: In any kin | nd of ph | ysical ac | ctivity tl | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | | | | | | | |
| QNPA7 | DAY: Iphysical | activity | | | | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Total Physical | Activity | 7 | | | | | | | | | | | | | | | |
|-------------------|-----------|----------|----------|---------|-----------|-----------|-----------|----------|-------------------------------------|-----------|----------|-----------|----------|-------|----------------------|-------------------------------|-------------------------|
| | | | | H | Iealth F | Risk Beł | navior a | nd Pero | centages | ; | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN79: | Percenta | age of s | tudents | who wa | atched to | elevision | n 3 or m | ore hou | rs per da | y (on ar | n averag | ge schoo | l day) | | | | |
| | | | | 40.2 | 38.1 | 32.4 | 33.9 | 29.6 | 32.4 | | 25.6 | 21.2 | 21.1 | 19.8 | Decreased, 1999-2019 | No quadratic change | No change |
| (countir | ng time s | spent or | n things | such as | Xbox, l | PlayStat | ion, an i | Pad or o | or used a other tab ot school | let, a sn | nartpho | ne, texti | ng, Ŷou | Tube, | | | |
| | | | | | | | | 21.5 | 22.9 | | 32.7 | 37.4 | 42.3 | 42.5 | Increased, 2007-2019 | No quadratic change | No change |
| QN81: week w | | _ | | | ended p | hysical | educatio | on (PE) | classes c | on 1 or r | nore da | ys (in aı | n averag | ge | | | |
| | | 46.7 | 46.2 | 50.4 | 55.9 | 49.4 | 49.7 | 51.2 | 44.4 | | 46.1 | 46.0 | 49.5 | 52.7 | No linear change | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | lealth F | Risk Bel | navior a | and Perc | centages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
|---------|------|------|------|------|----------|----------|----------|----------|-----------|---------|----------|-----------|--------|------|------------------|-------------------------------|-------------------------|
| 1991 19 | 93 1 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| NDLYPE: | | | | | ho atten | ided phy | sical ed | ucation | (PE) clas | sses on | all 5 da | ys (in ar | averag | e | | | |
| | 33 | 3.9 | 28.7 | 20.1 | 30.0 | 33.2 | 31.1 | 24.1 | 33.1 | | 30.9 | 23.0 | 28.6 | 26.9 | No linear change | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Total Other | | | | | | | | | | | | | | | | | |
|-------------------|---------|----------|-----------|----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|----------|----------|--------|----------------------|---------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior aı | nd Perc | entages | ; | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QN86: during t | | | | | | ist (for a | check- | up, exaı | n, teeth | cleaning | g, or oth | er denta | al work, | , | | | |
| | | | | | | | | | | | | 69.2 | 69.9 | 68.5 | No linear change | Not available§ | No change |
| QNNOI work) | ONT: P | ercentag | ge of stu | idents w | ho neve | r saw a | dentist (| for a ch | eck-up, | exam, t | eeth cle | aning, o | or other | dental | | | |
| , | | | | | | | | | | | | 2.8 | 2.3 | 2.9 | No linear change | Not available | No change |
| QN87: | Percent | age of s | tudents | who hac | d ever be | een told | by a do | ctor or i | nurse tha | at they h | ad asth | ma | | | | | |
| | | | | | | | 19.6 | 20.8 | 20.6 | | 24.1 | 22.0 | 26.7 | 23.8 | Increased, 2005-2019 | No quadratic change | No change |
| QN88: | Percent | age of s | tudents | who got | t 8 or mo | ore hour | s of slee | ep (on a | n averag | ge schoo | l night) | | | | | | |
| | | | | | | | | | | | | 27.4 | 20.3 | 21.8 | Decreased, 2015-2019 | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| otal ite-Added | | | | | |
|--|----------|----------|------------------|-------------------------------|-------------------------|
| Health Risk Behavior and Percentages | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
| 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 | 5 201 | 7 2019 | - | | |
| QN90: Percentage of students who rarely or never wear a seat belt when driving (among students w | ho driv | e a car) | | | |
| 10.6 7.0 | 8.9 | 7.3 | No linear change | Not available§ | No change |
| QN91: Percentage of students who rode in a car or other vehicle driven by someone who was texting while driving (on at least 1 day during the 30 days before the survey) | g or e-ı | nailing | | | |
| | 65.1 | 63.7 | No linear change | Not available | No change |
| QN92: Percentage of students who have ever been given money, a place to stay, food, or something in exchange for sex | else of | value | | | |
| | 5.6 | 4.0 | No linear change | Not available | No change |
| QN94: Percentage of students who tried to quit smoking cigarettes (among students who smoked cithe 12 months before the survey) | garettes | during | | | |
| 49.3 | 50.8 | 58.3 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Fotal Site-Adde | ed | | | | | | | | | | | | | | | | |
|--------------------|----------|-----------|---------|---------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|---------|---------|--|----------------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN95: I them | Percenta | age of st | tudents | who use | d electro | onic-vap | oor prod | ucts ma | inly bec | ause a f | riend or | r family | membe | er used | | | |
| | | | | | | | | | | | | | 7.3 | 8.2 | No linear change | Not available [§] | No change |
| QN97: I students | | | | | e ever p | articipa | ted in a | progran | n to help | them o | quit usir | ng tobac | co (amo | ong | <u>, </u> | | |
| | | | | | | | | | | | 11.5 | 14.1 | 9.3 | 13.9 | No linear change | Not available | No change |
| QN98: I | | | tudents | who rep | orted th | at their | school h | as speci | ial group | os or cla | usses for | r studen | ts who | want | <u> </u> | | |
| | | | | | | | | | | | 4.0 | 2.8 | 4.1 | 4.6 | No linear change | Not available | No change |
| QN99: I | | | | | | | | | | oducts in | n the stu | udent's l | nome w | hile | | | , |
| | | | | | | | | | | | | 28.7 | 30.9 | 24.3 | No linear change | Not available | Decreased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Γotal Site-Adde | ed | | | Н | ealth Ri | isk Beha | avior aı | nd Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|----------------------------------|----------|-----------|-----------|-----------|----------|-----------|-----------|------------|-----------|---------|---------|----------------|-------------------|-------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| QN100: one day | | | | | | vehicle v | where so | omeone | was sm | oking a | tobacco | produc 32.3 | et (on at 36.6 | least | No linear change | Not available [§] | Decreased |
| QN101: indoor o | r outdo | or public | c places | (such a | s school | buildin | gs, store | es, restai | urants, s | | | | | | | | |
| lots, and | i parks, | on at lea | ist one c | iay durii | ig the 7 | days be | iore me | survey, | , | | | 48.6 | 50.6 | 40.2 | Decreased, 2015-2019 | Not available | Decreased |
| QN102: place wh during the | here the | y worke | d (on at | least or | | | | | | | | | | | | | |
| | | | | | | | | | | | | 21.1 | 27.1 | 22.0 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Fotal Site-Adde | d | | | | | | | | | | | | | | | | |
|----------------------|--------|---------|----------|--------|---------|-----------|----------|----------|-----------|-----------|----------|-----------|-----------|-------|----------------------|-------------------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN103: people w | | tage of | students | who th | ink emp | loyers s | hould n | ever all | ow smol | king in i | ndoor a | areas in | places | where | | | |
| | | | | | | | | | | | | 86.0 | 87.7 | 77.7 | Decreased, 2015-2019 | Not available§ | Decreased |
| QN110: asthma | Percen | tage of | students | who ha | d been | told by a | doctor | or nurs | e that th | ey had a | ısthma | and wh | o still h | ave | , | | |
| | | | | | | | | 11.6 | 11.6 | | 12.1 | 11.1 | 13.2 | 12.6 | No linear change | No quadratic change | No change |
| QN111: their asth | | | | | | | | a nurse | or docto | or how t | o take o | care of o | or mana | ge | | | |
| | | | | | | | | | | | 53.8 | 53.0 | 56.6 | 52.1 | No linear change | Not available | No change |
| QN112: [not cour | | | | | | | | | | | | | nning b | ooth | | | |
| | | | | | | | | | | | | 13.3 | 13.0 | 15.3 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Γotal Site-Added | | | | | | | | | | | | | | | | |
|---|----------|----------|---------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|---------|------|----------------------------|-------------------|-------------------------|
| | | | H | ealth R | isk Beh | avior ar | d Perc | entages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 † |
| 1991 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| QN113: Percenta for 12 hours or m more times during | ore afte | er being | outside | e in the | sun or a | | | | | | | | | | | |
| | | | | | | | | | | | | 53.7 | 60.3 | Increased, 2017-2019 | Not available§ | No change |
| QN115: Percenta | | | | | | | | e kind o | f help tl | hey need | d (amon | g stude | nts | | | |
| | | | | | | | | | | | 26.0 | 26.0 | 21.7 | Decreased, 2015-2019 | Not available | No change |
| QN116: Percenta (during the 7 days | | | | e dinner | at hom | e with at | least o | ne of the | eir pare | nts on fo | our or m | ore day | 'S | | | |
| | | | | | | | | | | | 61.9 | 58.5 | 62.4 | No linear change | Not available | No change |
| QN117: Percenta | | | who str | rongly a | gree or | agree th | at their | teachers | really | care abo | out them | and gi | ve | | | |
| | | | | | | | | | | | 59.2 | 62.0 | 58.1 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | | | | | | 2017-2019 [†] |
|---|----------------|----------------|-------------|------------|-----------|---------|------|--|------------------------|
| 1991 1993 1995 19 | 97 1999 2001 2 | 2003 2005 2007 | 2009 20 | 11 2013 | 3 2015 | 2017 | 2019 | | |
| QN118: Percentage of stude drama, or clubs, during an a | | | e or more h | ours (such | as sports | , band, | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

| | | | | H | lealth F | Risk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|----------|---------------------|----------|----------|----------|----------|-----------|----------|----------|-----------------------|-----------|----------|----------|-----------|-------|----------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN8: P | ercenta | ge of st | udents v | vho rare | ly or ne | ver wor | e a seat | belt (wh | en riding | g in a ca | nr drive | n by sor | neone el | se) | | | |
| | | 39.3 | 34.9 | 29.3 | 24.6 | 17.7 | 16.0 | 13.8 | 15.1 | | 13.5 | 11.9 | 12.0 | 9.0 | Decreased, 1995-2019 | Decreased, 1995-2005 Decreased, 2005-2019 | No change |
| | ercentag times d | | | | | driver v | vho had | been dri | nking al | cohol (i | in a car | or other | r vehicle | , one | | | |
| | | 47.0 | 39.2 | 37.1 | 34.8 | 30.3 | 24.6 | 25.5 | 25.6 | | 19.2 | 19.9 | 16.6 | 15.9 | Decreased, 1995-2019 | No quadratic change | No change |
| ON10: | | | | | | r or othe | | | they had riven a c | | | | | | | | |
| times du | iring the | | | | J / | C | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Health | Risk Be | havior a | and Per | centages | s | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|--|---------------------------------------|----------------------|---------------------|----------------------|----------------|----------|---------------|--------------------|-----------|------------------|---------------------------|------------------|------------------------|--|--|-----------------------|
| 1991 | 1993 19 | 95 19 | 97 199 | 9 200 | 1 2003 | 3 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN11: Pethe 30 day | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 46.5 | 46.7 | 44.5 | 48.3 | No linear change | Not available [§] | No change |
| | | . C . 4 1 . | | norried e | weanon | (such as | s a gun. | knife, or | club on | at leas | t 1 day / | during t | ha 20 | | | |
| | | | nts who c | arrieu a | weapon | (Saerr a | , a gaii, | -, - | crao, on | i at icas | t I day | unning t | ne so | | | |
| | | ey) | | | | 31.3 | 29.4 | 25.7 | | 33.2 | 33.8 | 27.8 | 27.8 | Decreased, 1995-2019 | Decreased, 1995-2003 No change, 2003-2019 | No change |
| QN12: Pedays before QN13: Peday during | 43 | rey) 5 34.0 of stude | 32.6 nts who o | 33.6 | 27.9 | 31.3 | 29.4 | 25.7 | , | 33.2 | 33.8 | 27.8 | 27.8 | Decreased, 1995-2019 | · · · · · · · · · · · · · · · · · · · | No change |
| days before | 43 | rey) 5 34.0 of stude | 32.6 nts who o | 33.6 | 27.9 | 31.3 | 29.4 | 25.7 | , | 33.2 | 33.8 | 27.8 | 27.8 | Decreased, 1995-2019 No linear change | · · · · · · · · · · · · · · · · · · · | No change |
| days befor | 43. ercentage g the 30 decreementage | of stude | nts who can the sum | 33.6 carried a rvey) | 27.9 weapon | on scho | 29.4 ol prope | 25.7 erty (sucl | h as a gu | 33.2 n, knife | 33.8 e, or club 9.1 | 27.8 o, on at | 27.8 least 1 5.9 | | No change, 2003-2019 | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|----------------------|----------------------|-----------|---|---------|--------------------------------|------------------------------|--------------------------------|--|---------------------|---------------------|-----------------|------------------------|--------------|--------------|----------------------|---------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN17: survey) | Percenta | age of st | tudents v | who wer | e in a p | hysical | fight (o | ne or me | ore time | s during | the 12 | months | before t | he | | | |
| | | | | | | | | | | | | | 24.2 | 32.4 | Increased, 2017-2019 | Not available§ | Increased |
| | | | | | | | | | | | | | | | | | |
| QN19: | Percenta | age of st | tudents v | who wer | e ever p | ohysical | lly force | d to hav | e sexua | interco | ourse (w | hen they | did not | t want | | | |
| QN19: to) | Percenta | age of st | tudents v | who wer | re ever p | ohysical | lly force | d to hav | re sexua | interco | ourse (w | hen they | did not | t want | | | |
| | Percenta | age of st | tudents v | who wer | re ever p | ohysical 5.6 | lly force | d to hav | ve sexua | interco | ourse (w | hen they | 7 did not | t want 5.3 | No linear change | No quadratic change | No change |
| QN22: someonewith an | Percenta e they w | age of st | tudents v tudents v ng or go on] one o | who exp | 4.3 verience with [cottimes di | 5.6 d physicounting uring th | 4.0 cal datin such thi e 12 mo | 6.6 Ig violer ings as the other than the other tha | 4.4 nce (being hit | ng physi , slamm | 5.2 cally hu | 4.7 urt on pu somethi | 7.1 rpose by | 5.3 y njured | No linear change | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Injury an | d Viole | ence | | Н | ealth R | isk Beh | avior a | nd Perc | centages | | | | | | Linear Change [*] | Quadratic Change* | Change from |
|--------------------|----------|-----------|---------|--------|-----------|----------|----------|----------|-----------|----------|----------|----------|----------|-------|----------------------------|--|------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | 2017-2019 [†] |
| QN23: I | Percenta | age of st | tudents | who we | re bullie | ed on sc | hool pro | perty (e | ever duri | ng the 1 | 12 mont | hs befor | e the su | rvey) | | | |
| | | | | | | | | | 21.2 | | 20.0 | 19.6 | 19.5 | 17.3 | No linear change | Not available§ | No change |
| QN24: I Faceboo | | | | | | | | | | | d throug | h textin | g, Insta | gram, | | | |
| | | | | | | | | | | | | 11.7 | 14.8 | 14.3 | No linear change | Not available | No change |
| QN25: I stopped | | | | | | | | | | | eks in a | row so | that the | y | | | 1 |
| | | | | 19.0 | 24.1 | 20.2 | 19.8 | 17.5 | 21.3 | | 16.7 | 23.6 | 24.2 | 24.0 | No linear change | No change, 1999-2013 Increased, 2013-2019 | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

Male **Injury and Violence Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2017-2019 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) 19.7 17.5 12.2 15.6 12.2 10.9 10.5 10.6 10.1 13.2 17.5 14.5 No linear change Decreased, 1995-2007 No change Increased, 2007-2019 QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) 16.8 12.3 11.1 10.5 7.4 8.6 7.5 11.0 14.2 13.1 No linear change Decreased, 1995-2007 No change Increased, 2007-2019 QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) 7.0 3.8 4.8 4.9 5.0 No change 7.0 5.9 5.1 5.4 9.2 8.3 6.9 No linear change Decreased, 1995-2005 Increased, 2005-2019 QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey) 1.4 1.4 No linear change Decreased, 1995-2005 No change 2.5 1.4 1.5 1.2 1.6 1.0 3.1 3.2 1.8 No change, 2005-2019

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| Male Tobacco | Use | | | | | | | | | | | | | | | | |
|--------------------|----------|--------|-----------|-----------|-----------|-----------|----------|-----------|-----------|------------|----------|-----------|----------|-------|----------------------------|--|-------------------------|
| | | | | I | Health I | Risk Bel | havior a | nd Pero | centages | 8 | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| QN31: | Percenta | age of | students | s who fii | rst tried | cigarette | e smokii | ng befor | e age 13 | years (e | even on | e or two | puffs) | | | | |
| | | | | | | | | | | | | | 10.4 | 10.0 | No linear change | Not available§ | No change |
| QN32: survey) | Percenta | age of | students | s who cu | ırrently | smoked | cigarett | es (on at | least 1 | day duri | ng the 3 | 30 days | before t | the | | | |
| | | 40.2 | 39.7 | 35.6 | 30.1 | 22.8 | 22.0 | 24.3 | 18.8 | | 16.1 | 13.7 | 10.2 | 6.8 | Decreased, 1995-2019 | No quadratic change | No change |
| QNFRC days bef | | | | dents w | ho curre | ently sm | oked cig | arettes f | requent | ly (on 20 |) or mo | re days | during t | he 30 | | | - |
| | | 21.3 | 21.4 | 17.6 | 18.3 | 11.7 | 10.1 | 11.0 | 7.0 | | 5.7 | 5.7 | 2.9 | 0.7 | Decreased, 1995-2019 | No change, 1995-2001 Decreased, 2001-2019 | Decreased |
| QNDAY before th | | | tage of s | students | who cu | rrently s | moked o | cigarette | s daily (| (on all 30 | O days c | luring th | ne 30 da | ıys | | | |
| | | 17.1 | 16.5 | 13.4 | 13.9 | 9.3 | 7.8 | 8.9 | 6.3 | | 4.4 | 4.4 | 2.2 | 0.7 | Decreased, 1995-2019 | Decreased, 1995-2015 Decreased, 2015-2019 | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Fobacco | Use | | | Н | ealth Ri | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|-------------------------------|-----------|----------|----------|----------|----------|-----------|-----------|----------|----------|-----------|-----------|---------|--------|------|----------------------|-------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN34: vape pip eGo, and | oes, vapi | ing pens | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 46.7 | 40.4 | 49.7 | No linear change | Not available§ | No change |
| QN35: e-pipes, Plus, eG | vape pij | pes, vap | ing pens | s, e-hoo | kahs, an | d hooka | h pens | [such as | blu, NJ | | | | | | | | |
| | | | | | | | | | | | | 27.7 | 13.6 | 23.1 | No linear change | Not available | Increased |
| QNFRE during t | | | | | o currer | ntly used | l electro | nic vapo | or produ | icts freq | quently (| on 20 c | r more | days | | | |
| | | | | | | | | | | | | 4.4 | 3.4 | 10.8 | Increased, 2015-2019 | Not available | Increased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Fobacco ≀ | Use | | | Н | ealth Ri | isk Beha | avior aı | nd Perc | entages | | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 † |
|--------------------|----------|----------|-----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|-------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNDAY the 30 da | | | | udents v | who curi | rently us | sed elec | tronic v | apor pro | ducts d | aily (on | all 30 d | ays dur | ing | | | |
| | j | | • | | | | | | | | | 2.5 | 2.5 | 8.4 | Increased, 2015-2019 | Not available§ | Increased |
| QNTB5: day duri | | | | | | smoked | l cigaret | tes or us | sed elec | tronic v | apor pro | oducts (| on at le | ast 1 | | | |
| | | | | | | | | | | | | 31.2 | 18.9 | 25.4 | No linear change | Not available | No change |
| QN37: dissolva | ble toba | icco pro | ducts [si | uch as C | Copenha | gen, Gri | izzly, Sk | coal, or | Camel S | | | | | nic | | | |
| | | | | | | | | | | | | | 8.1 | 9.4 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| 1995 199 | 7 1000 | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------------|--------------|--|--|---|--|--|---|---|--|---|--|---|---|---|
| | 7 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | | irrently s | smoked / | cigars (c | cigars, c | igarillos, | , or little | e cigars | s, on at le | east 1 da | ay | • | | |
| | 27.1 | 23.4 | 17.4 | 19.8 | 19.7 | 16.3 | | 17.0 | 17.1 | 11.4 | 6.5 | Decreased, 1999-2019 | No quadratic change | Decreased |
| ige of stud | ents who | currently | y smoke | d cigare | ttes or c | cigars (or | n at leas | t 1 day | during t | he 30 da | ays | | | |
| | 42.1 | 36.9 | 28.6 | 29.5 | 29.7 | 25.3 | | 23.6 | 22.8 | 15.9 | 10.1 | Decreased, 1999-2019 | No quadratic change | Decreased |
| 1 | ge of studen | 27.1 age of students who age of students who trihookah tobacco, and | 27.1 23.4 27.1 23.4 age of students who currently 42.1 36.9 e of students who tried to que hookah tobacco, and electrons | 27.1 23.4 17.4 29 of students who currently smoke 42.1 36.9 28.6 29 of students who tried to quit using hookah tobacco, and electronic vapor | 27.1 23.4 17.4 19.8 29 of students who currently smoked cigare 42.1 36.9 28.6 29.5 29 of students who tried to quit using all tobac hookah tobacco, and electronic vapor productions. | s before the survey) 27.1 23.4 17.4 19.8 19.7 age of students who currently smoked cigarettes or of the students who tried to quit using all tobacco prohookah tobacco, and electronic vapor products, every specific products and electronic vapor products, every specific products and electronic vapor products, every specific products are specific products. | s before the survey) 27.1 23.4 17.4 19.8 19.7 16.3 age of students who currently smoked cigarettes or cigars (or 42.1 36.9 28.6 29.5 29.7 25.3 be of students who tried to quit using all tobacco products (inchookah tobacco, and electronic vapor products, ever during | 27.1 23.4 17.4 19.8 19.7 16.3 age of students who currently smoked cigarettes or cigars (on at leas 42.1 36.9 28.6 29.5 29.7 25.3 be of students who tried to quit using all tobacco products (including hookah tobacco, and electronic vapor products, ever during the 12 materials of the students who tried to quit using all tobacco products. | s before the survey) 27.1 23.4 17.4 19.8 19.7 16.3 17.0 age of students who currently smoked cigarettes or cigars (on at least 1 day 42.1 36.9 28.6 29.5 29.7 25.3 23.6 be of students who tried to quit using all tobacco products (including cigarettes) | before the survey) 27.1 23.4 17.4 19.8 19.7 16.3 17.0 17.1 age of students who currently smoked cigarettes or cigars (on at least 1 day during to 42.1 36.9 28.6 29.5 29.7 25.3 23.6 22.8 e of students who tried to quit using all tobacco products (including cigarettes, cigarettes) hookah tobacco, and electronic vapor products, ever during the 12 months before to | before the survey) 27.1 23.4 17.4 19.8 19.7 16.3 17.0 17.1 11.4 age of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days 42.1 36.9 28.6 29.5 29.7 25.3 23.6 22.8 15.9 e of students who tried to quit using all tobacco products (including cigarettes, cigars, smol hookah tobacco, and electronic vapor products, ever during the 12 months before the survey. | 27.1 23.4 17.4 19.8 19.7 16.3 17.0 17.1 11.4 6.5 age of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days 42.1 36.9 28.6 29.5 29.7 25.3 23.6 22.8 15.9 10.1 e of students who tried to quit using all tobacco products (including cigarettes, cigars, smokeless hookah tobacco, and electronic vapor products, ever during the 12 months before the survey, | 27.1 23.4 17.4 19.8 19.7 16.3 17.0 17.1 11.4 6.5 Decreased, 1999-2019 age of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days 42.1 36.9 28.6 29.5 29.7 25.3 23.6 22.8 15.9 10.1 Decreased, 1999-2019 are of students who tried to quit using all tobacco products (including cigarettes, cigars, smokeless hookah tobacco, and electronic vapor products, ever during the 12 months before the survey, | 27.1 23.4 17.4 19.8 19.7 16.3 17.0 17.1 11.4 6.5 Decreased, 1999-2019 No quadratic change age of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days 42.1 36.9 28.6 29.5 29.7 25.3 23.6 22.8 15.9 10.1 Decreased, 1999-2019 No quadratic change are of students who tried to quit using all tobacco products (including cigarettes, cigars, smokeless hookah tobacco, and electronic vapor products, ever during the 12 months before the survey, |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Alcohol a | and Oth | ner Dru | ıg Use | H | Iealth R | Risk Beh | navior a | nd Perc | centages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 † |
|-------------------|----------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|---------|------------|----------|-------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN40: | Percent | age of | students | who ha | d their f | ïrst drin | k of alco | ohol bef | ore age | 13 years | (other | than a fe | ew sips) |) | | | |
| | | 46.8 | 38.4 | 39.3 | 34.3 | 28.6 | 28.5 | 22.9 | 25.8 | | 22.6 | 20.5 | 19.9 | 17.0 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | No change |
| QN41: the 30 d | | | | who cu | rrently o | drank ald | cohol (a | t least o | ne drink | of alcol | hol, on | at least 1 | day du | ıring | | | |
| | | 57.4 | 49.8 | 53.3 | 49.2 | 49.7 | 41.2 | 44.4 | 39.5 | | 33.8 | 34.8 | 27.5 | 24.7 | Decreased, 1995-2019 | No quadratic change | No change |
| | students | or five | or more | e drinks | of alcoh | | | | d four or | | | | | | | | |
| | | | | | | | | | | | | | 14.8 | 13.4 | No linear change | Not available [§] | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

^{*}Not enough years of data to calculate.

| Male Alcohol a | and Oth | er Dru | g Use | Н | lealth F | Risk Beh | avior a | nd Pero | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|-------------------------------|----------|----------|----------|----------|-----------|----------|-----------|----------|----------|----------|-----------|----------|----------|--------|----------------------|---------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN44: days bef | | | | | | | | | by some | eone giv | ving it t | o them (| during t | the 30 | | | |
| | | | | | | | | 30.6 | 36.5 | | 28.8 | 35.4 | 36.6 | 39.9 | No linear change | No quadratic change | No change |
| QN47: survey) | Percenta | age of s | students | who cu | rrently 1 | used mai | rijuana (| one or r | more tim | es durir | ng the 3 | 0 days b | efore th | ie | | | |
| | | 23.3 | 29.4 | 28.0 | 26.8 | 23.1 | 19.8 | 20.4 | 22.7 | | 23.7 | 20.0 | 19.8 | 16.7 | Decreased, 1995-2019 | No quadratic change | No change |
| QN49: different Hydroco | tly than | how a | doctor t | old then | n to use | it (coun | ting dru | gs such | | | | | | | | | |
| | | | | | | | | | | | | | 14.0 | 22.2 | Increased, 2017-2019 | Not available§ | Increased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| cohol a | | | 3 | Н | ealth Ri | sk Beha | vior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|---------|----------------------|------|---------|---------|-----------|----------|-----------|---------|-----------|-----------|----------|---------|----------|------|------------------|-------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | Percenta ring the | | tudents | who eve | er used h | eroin (a | lso calle | d "smac | ck," "jur | ık," or ' | 'China V | White," | one or i | more | | | |
| | | | | | | | | | | | | | 3.7 | 2.9 | No linear change | Not available§ | No c |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

Male Sexual Behaviors **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN58: Percentage of students who ever had sexual intercourse 55.7 50.4 57.4 52.2 51.5 46.3 50.2 41.2 44.6 Decreased, 1995-2019 No quadratic change No change 41.2 QN59: Percentage of students who had sexual intercourse for the first time before age 13 years 13.6 11.9 14.0 10.0 7.9 9.6 8.4 9.7 5.3 Decreased, 1995-2019 No quadratic change No change QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) 38.5 31.9 40.2 38.7 35.3 31.5 37.2 34.9 32.9 29.2 28.9 32.4 Decreased, 1995-2019 No quadratic change No change QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) 35.5 32.6 34.9 30.7 32.6 28.6 27.8 27.3 23.5 22.4 17.0 24.2 Decreased, 1995-2019 No quadratic change No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-------------------|------|------|------|---------|----------|---------|-----------|----------|-----------|----------|----------|-----------|---------|------|------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN63: currentl | | | | who use | ed a con | dom dui | ring last | sexual i | ntercou | rse (amo | ong stu | dents wh | no were | • | | | |
| | | 60.7 | 65.8 | 65.7 | 66.5 | 78.8 | 73.1 | 65.8 | 68.7 | | 64.3 | 59.8 | 53.0 | 65.0 | No linear change | Increased, 1995-2003 Decreased, 2003-2019 | No change |
| QN64: among s | | | | | | | pills bef | ore last | sexual ii | ntercou | se (to p | prevent j | oregnan | cy, | | | |
| | | 15.6 | 12.2 | 14.8 | 14.2 | 16.7 | 11.6 | 13.9 | 21.7 | | 14.5 | 18.8 | 18.9 | 23.7 | No linear change | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | ehavior | S | | Н | ealth Ri | isk Beha | avior an | nd Perco | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------------------------------|-----------------------|----------------------|----------------------|---------------------|---------------------|-----------------------|----------------------------------|-----------------|---------------------|----------|----------|----------|-----------|------|----------------------|-------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | ring (suc | ch as Nu | vaRing | | | | (such as | | | | | | | | | | |
| | , | , | -// | | | | | | | | 1.7 | 2.5 | 6.1 | 3.7 | No linear change | Not available§ | No change |
| implant | (such as ring (suc | s Implan ch as Nu | on or NovaRing | explano | n); or a | shot (su | control pach as Dercourse (| epo-Pro | vera), p | atch (su | ch as O | rthoEvr | a), or bi | | | | |
| currentl | | • | , | | | | | | | | 18.1 | 25.4 | 26.3 | 32.5 | Increased, 2013-2019 | Not available | No shanga |
| currentl | | | | | | | | | | | | | | | | | No change |
| QNDUA pills; an Depo-Pi | ALBC: IUD (su | uch as M patch (s | Iirena o uch as (| r ParaGa OrthoEv | ard) or inra), or b | mplant (oirth con | condon (such as atrol ring | Implang (such a | on or No s Nuval | explano | n); or a | shot (su | ch as | | | | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | | | | | | | | | | | | | 2017-2019 |
|----------------|------|------|------|------|------|------|------|---------|---------|---------|-----------|-------|------|------------------|---------------------|-----------|
| 1991 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| NBCNONE: P | | | | | | | | prevent | pregnan | cy duri | ng last s | exual | : | : | | |
| tercourse (amo | · | | | | • | • | | | | | | | | | | |
| 1 | 12.3 | 13.4 | 9.0 | 11.5 | 4.1 | 10.4 | 11.3 | 8.0 | | 13.5 | 13.0 | 9.8 | 6.4 | No linear change | No quadratic change | No chang |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

| | | | | F | Iealth I | Risk Be | havior a | and Per | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------|------------------|-----------|-----------|-------------------------|------------------|--------------------------------------|------------|--------------------------|----------------------------|----------|--------------------------|--------------------------|------------------|----------|---|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 3 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | centile bu DC grow | | | tile for l | ody ma | ss | | | |
| | | | | 13.2 | 17.0 | 14.9 | 15.9 | 14.9 | 14.7 | | 14.7 | 14.3 | 15.3 | 15.2 | No linear change | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| ONODE | SE. Do | araanta a | o of stud | donts w | ho had | obosity | (> = 05tl | noroon | tile for h | ody mee | os indov | hasad | on cov | and | | | |
| | | | | | | | (>= 95th | | tile for b | ody mas | ss index | , based | on sex- | and | | | |
| | | | | | | | |) [§] | tile for b | • | ss index | , based 15.9 | on sex- | and 22.7 | Increased, 1999-2019 | No quadratic change | No change |
| QN69: | cific refe | age of s | lata fron | n the 20 12.3 | 000 CD 16.9 | C growt 15.9 | th charts |) [§] 15.3 | | | 18.5 | 15.9 | 19.0 | 22.7 | Increased, 1999-2019 | No quadratic change | No change |
| QN69: | eific refe | age of s | lata fron | n the 20 12.3 | 000 CD 16.9 | C growt 15.9 | th charts |) [§] 15.3 | 18.2 | one or r | 18.5 | 15.9 | 19.0 | 22.7 | Increased, 1999-2019 Increased, 1999-2019 | No quadratic change No quadratic change | No change |
| QN69: | Percentane surve | age of s | tudents | 12.3 who did 20.5 | 16.9 d not dr | C growt 15.9 ink fruit 20.3 | t juice (1 | 15.3 100% fru 21.8 | 18.2 nit juices 27.1 | one or i | 18.5 more tir 27.6 | 15.9 mes duri 28.1 | 19.0 ng the 7 | 22.7 | , | | |
| QN69: | Percentane surve | age of s | tudents | 12.3 who did 20.5 | 16.9 d not dr | C growt 15.9 ink fruit 20.3 | t juice (1 | 15.3 100% fru 21.8 | 18.2 | one or i | 18.5 more tir 27.6 | 15.9 mes duri 28.1 | 19.0 ng the 7 | 22.7 | , | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-------------------|------|------|----------|---------|----------|----------|----------|-----------|-----------|---------|----------|-----------|------------|-------|----------------------|---------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QNFR0 or grape | | | | | | | or drink | 100% fı | uit juice | s (such | as oran | ge juice | , apple ji | uice, | | | |
| | | | | 8.0 | 8.0 | 8.6 | 7.1 | 5.1 | 8.6 | | 8.5 | 7.4 | 8.4 | 8.7 | No linear change | No quadratic change | No change |
| QNFR1 orange j | | | | | | | | | | r more | times pe | er day (s | uch as | | | | |
| | | | | 50.3 | 58.7 | 50.4 | 57.0 | 57.0 | 54.0 | | 57.2 | 55 1 | 53.0 | 52.1 | Decreased 1000-2010 | No quadratic change | No change |
| | | | | 59.3 | 58.7 | 59.4 | 57.0 | 57.0 | 54.0 | | 57.2 | 55.1 | 53.9 | 52.1 | Decreased, 1999-2019 | No quadratic change | No change |
| QNFR2 orange j | | | students | s who a | te fruit | or drank | 100% 1 | ruit juic | es two o | or more | | | | 52.1 | Decreased, 1999-2019 | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | H | lealth R | Risk Bel | navior a | nd Pero | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-------|----------|-----------|----------|---------|-----------|-----------|--------------|-----------------|----------|----------|--------------------------|------------------|--------------------------|--------|--|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN71: | Percenta | age of st | udents | who dic | l not eat | t green s | salad (oı | ne or mo | re times | during | the 7 da | ays befo | re the su | ırvey) | | | |
| | | | | 39.0 | 39.3 | 37.3 | 38.7 | 42.3 | 41.7 | | 45.0 | 48.5 | 51.0 | 47.8 | Increased, 1999-2019 | No quadratic change | No change |
| QN72: | Percenta | age of st | udents | who dic | l not eat | t potato | es (one o | or more | times du | ring the | 7 days | before | he surv | ev) | | | |
| | | | | | | | | | | | ' days | 001010 | | - 5 / | | | |
| | | | | 26.7 | 22.7 | 25.4 | 28.5 | 27.1 | 26.7 | 8 | 25.2 | 32.6 | 33.4 | 32.8 | Increased, 1999-2019 | No quadratic change | No change |
| QN73: | Percenta | age of st | udents | | | | | 27.1 | | | 25.2 | 32.6 | 33.4 | 32.8 | Increased, 1999-2019 | No quadratic change | No change |
| QN73: | Percenta | age of st | udents · | | | | (one or | 27.1 | 26.7 | | 25.2 | 32.6 | 33.4 | 32.8 | Increased, 1999-2019 No linear change | No quadratic change No quadratic change | No change |
| | | | | who dic | l not eat | t carrots | (one or 52.6 | 27.1 more ti | 26.7 | ng the 7 | 25.2 7 days b 51.7 | 32.6 efore th | 33.4 e survey 57.1 | 32.8 | | , , | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | H | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|----------|-------------|----------|-----------|--|------------------------------|--------------------------------|--------------------|--|------------------------|----------|---|----------------|--------------------------------------|--------------|------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | | | | | | | alad, por | | | ng Frenc | h fries, 1 | ried | | | |
| | | | | 7.6 | <i>(</i> 2 | <i>5</i> | | 7.0 | | | | | 0.0 | 7.0 | N7 11 1 | AT 1 2 1 | 3.7 1 |
| | | | | 7.0 | 6.3 | 5.5 | 5.6 | 7.9 | 8.6 | | 6.1 | 6.8 | 9.0 | 7.3 | No linear change | No quadratic change | No change |
| | | | oes, or p | nts who | ate veg | getables arrots, o | one or r | nore tim | es, durin | g the 7 | en salad | , potato | es [exclu survey) | | No linear change | No quadratic change No quadratic change | No change |
| French f | fries, frie | ed potat | oes, or p | nts who potato check the c | ate veg hips], ca 61.8 | getables arrots, or 60.5 | one or r r other v | more tim vegetabl 57.5 more tin | nes per d es, durin | ag the 7 | en salad days be 60.9 en salad | , potatoe 60.2 | es [exclusurvey) 55.8 es [exclusive] | ding 59.8 | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|-----------|-----------|-----------|---------------------------------|----------|----------|---------|---------|----------|----------|----------|-------|------|------|------|----------------------|-------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | of studer , fried po | | | | | | | | | | | the | | | |
| | | | | 12.0 | 13.9 | 10.4 | 12.3 | 10.8 | 16.3 | | 10.7 | 12.1 | 11.0 | 10.1 | No linear change | No quadratic change | No change |
| QN76: | Percenta | age of st | tudents v | who did | not drii | nk milk | (during | the 7 da | ys befor | e the su | rvey) | | , | | | | |
| | | | | 13.8 | 10.2 | 12.1 | 11.8 | 12.2 | 14.0 | | 13.8 | 14.8 | 20.9 | 18.1 | Increased, 1999-2019 | No change, 1999-2005 | No change |
| | | | | -2.0 | 10.2 | | | | | | | | | | | Increased, 2005-2019 | |
| in a glas | ss or cup | , from a | of stude carton, before t | ents who | o drank | | | | | | | | | | | Increased, 2005-2019 | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth Ri | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------|----------|-----------|----------|---------|----------|---------|-----------|---------|----------|----------|---------|------|------|------|----------------------|---|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| in a glas | | , from a | carton, | or with | cereal a | | | | er day o | | | | | | | | |
| | | | | 25.8 | 27.4 | 23.5 | 21.4 | 10.2 | ••• | | | | | | D 1 1000 2010 | | |
| | | | | 23.0 | 27.4 | 23.3 | 21.4 | 19.2 | 20.2 | | 16.0 | 13.8 | 8.5 | 10.4 | Decreased, 1999-2019 | No quadratic change | No change |
| QN77: | Percenta | ige of st | | | | | | | days bef | | | | 8.5 | 10.4 | Decreased, 1999-2019 | No quadratic change | No change |
| QN77: | Percenta | age of st | | | | | | | | | |) | 17.9 | 17.5 | No linear change | No quadratic change Not available [§] | No change |
| | | | udents v | who did | not eat | breakfa | st (durin | g the 7 | | fore the | survey) | 15.6 | 17.9 | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

Male **Physical Activity Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) 54.2 51.9 52.7 50.1 No linear change Not available§ No change QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) 14.2 13.5 15.5 11.5 No linear change Not available Decreased QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) 36.2 33.5 35.5 29.1 No linear change Not available No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth R | tisk Beh | avior a | nd Pero | centages | 1 | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|--------------------|-----------------------|---------------------|--|---------------------|---------------------|------------------------|-----------|-------------------------------|---------------------------------|----------------------|-----------------------------|--------------------------------|-----------------------------|----------------|----------------------|-------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN79: | Percenta | age of st | udents | who wa | tched te | elevision | 3 or m | ore hou | rs per da | y (on ar | averag | ge schoo | l day) | | | | |
| | | | | 43.4 | 43.5 | 35.6 | 38.0 | 30.1 | 35.0 | | 26.8 | 18.1 | 20.0 | 18.6 | Decreased, 1999-2019 | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| (countii | ng time s | pent on | things | such as | Xbox, I | PlayStati | ion, an i | Pad or o | or used a other table of school | let, a sn | nartpho | ne, texti | ng, Ŷou | Tube, | Increased, 2007-2019 | No quadratic change | No change |
| (counting Instagra | ng time s im, Face | pent on book, or | things of the state of the stat | such as social m | Xbox, I edia, fo | PlayStati or someth | ion, an i | Pad or of t was no 25.2 | other tab ot school | let, a sm work, o | nartpho on an av 33.5 | ne, texti verage se 37.1 | ng, Ŷou chool da 41.8 | Tube, ny) 45.1 | Increased, 2007-2019 | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | H | lealth R | Risk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|------------------------|---------|--------|------|----------|----------|----------|---------|----------|---------|----------|-----------|--------|------|------------------|---------------------|-----------------------|
| 1991 199 | 93 1995 | 5 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| NDLYPE: veek when t | | _ | | ho atten | nded phy | sical ed | ucation | (PE) cla | sses on | all 5 da | ys (in aı | averag | e | | | |
| | 38.9 | 31.4 | 24.9 | 33.9 | 37.7 | 36.6 | 30.6 | 40.4 | | 37.0 | 28.2 | 32.3 | 28.7 | No linear change | No quadratic change | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

Missouri High School Survey Trend Analysis Report

Male Other **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey) No change 65.4 67.5 67.0 No linear change Not available§ QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) 3.8 2.5 3.1 Not available No change No linear change QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma 17.9 20.6 21.6 21.5 23.5 27.7 23.1 Increased, 2005-2019 No quadratic change No change QN88: Percentage of students who got 8 or more hours of sleep (on an average school night) 22.0 Decreased, 2015-2019 Not available No change 29.4 20.2

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\}dagger}$ Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Site-Adde | ed | | | | | | | | | | | | | | | | |
|----------------------|----------|-----------|---------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|---------|----------------------|-------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN90: I | Percenta | age of st | tudents | who rare | ely or ne | ever wea | ır a seat | belt wh | en drivi | ng (amo | ong stud | lents wh | o drive | a car) | | | |
| | | | | | | | | | | | 13.3 | 10.2 | 12.1 | 7.3 | Decreased, 2013-2019 | Not available§ | No change |
| QN91: I while dri | | | | | | | | | n by sor | neone v | who was | s texting | or e-ma | ailing | | | |
| | | | | | | | | | | | | | 58.9 | 57.6 | No linear change | Not available | No change |
| QN92: I | | | tudents | who hav | e ever l | een giv | en mone | ey, a pla | ce to sta | ıy, food | , or son | nething | else of v | alue | | | |
| | | | | | | | | | | | | | 6.1 | 3.3 | No linear change | Not available | No change |
| QN95: I them | Percenta | age of st | tudents | who use | d electr | onic-vap | oor prod | ucts ma | inly bec | ause a f | friend or | r family | membe | er used | | | |
| | | | | | | | | | | | | | 5.2 | 7.2 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Iale ite-Adde | ed | | | | | | | | | | | | | | | | |
|------------------|---------------------|------|--------|---------|----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------|----------------------------|-------------------|-----------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | Percenta who ha | | | | e ever p | articipa | ted in a | progran | n to help | them o | quit usir | ng tobac | co (amo | ong | | | |
| | | | | | | | | | | | 14.3 | 16.4 | 10.4 | 14.4 | No linear change | Not available§ | No change |
| | Percenta | | udents | who rep | orted th | at their | school h | as speci | al grou | ps or cla | asses for | studen | ts who | want | | | |
| | _ | | | | | | | | | | 4.8 | 3.9 | 5.6 | 4.5 | No linear change | Not available | No change |
| | Percenta ent was | | | | | | | | | oducts i | n the stu | ıdent's l | nome w | hile | | | |
| | | | | | | | | | | | | 32.1 | 29.4 | 22.9 | Decreased, 2015-2019 | Not available | Decreased |
| | Percen during t | | | | | vehicle v | where so | omeone | was sm | oking a | tobacco | produc | ct (on at | least | | | |
| | | | | | | | | | | | | 32.0 | 33.6 | 26.3 | No linear change | Not available | Decreased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Site-Added | Не | alth Risk Beh | navior and P | ercentage | s | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 |
|---|----------------|----------------|-----------------|-------------|------------|----------|---------|-----------|-------|----------------------------|-------------------------------|-----------------------|
| 1991 1993 1995 19 | 97 1999 | 2001 2003 | 2005 20 | 07 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QN101: Percentage of stud indoor or outdoor public pla lots, and parks, on at least o | ices (such as | school buildin | ngs, stores, re | staurants, | | | | | | | | |
| | | | | | | | 45.4 | 43.2 | 33.0 | Decreased, 2015-2019 | Not available§ | Decreased |
| QN102: Percentage of stud place where they worked (o during the 7 days before the | n at least one | | | | | | | | | | | |
| | • | | | | | | 27.0 | 29.1 | 23.0 | No linear change | Not available | No change |
| QN103: Percentage of stud people work | ents who thin | nk employers | should never | allow smo | oking in i | indoor a | reas in | places | where | | | |
| | | | | | | | 82.1 | 85.6 | 74.6 | Decreased, 2015-2019 | Not available | Decreased |
| QN110: Percentage of stud | ents who had | d been told by | a doctor or n | urse that t | hey had a | asthma a | and wh | o still h | ave | | | |
| asthma | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Male Site-Adde | ed | | | Н | ealth Ri | isk Beha | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
|---------------------------------|-----------|----------|-----------|-----------|----------|-----------|----------|---------|----------|----------|---------|-----------|---------|------|----------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN111: their astl | | | | | | | | a nurse | or docto | or how t | to take | care of o | or mana | ge | | | |
| | | | | | | | | | | | 47.3 | 49.9 | 48.3 | 50.5 | No linear change | Not available§ | No change |
| QN112: [not cou | | | | | | | | | | | | | nning b | ooth | No linear change | Not available | No change |
| QN113: for 12 ho more tin | ours or i | more aft | ter being | g outside | in the | sun or af | | | | | | | | | | | |
| | | | | | | | | | | | | | 48.3 | 57.4 | Increased, 2017-2019 | Not available | Increased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Iale ite-Add€ | ed | | | | | | | | | | | | | | | | |
|---------------------|------|------|------|----------|----------|----------|----------|-----------|----------|-----------|-----------|----------|----------|------|------------------|----------------------------|-----------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | ; | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN115: who repo | | | | | | | | | e kind o | f help th | ney need | l (amon | g stude | nts | | | |
| | | | | | | | | | | | | 22.8 | 20.9 | 19.7 | No linear change | Not available [§] | No change |
| QN116: (during t | | | | | e dinnei | r at hom | e with a | t least o | ne of th | eir pare | nts on fo | our or n | nore day | /S | | | |
| | | | | | | | | | | | | 60.6 | 58.9 | 61.1 | No linear change | Not available | No change |
| QN117: them a lo | | | | s who st | rongly a | igree or | agree th | at their | teachers | s really | care abo | ut then | and gi | ve | | | |
| | | | | | | | | | | | | 56.0 | 65.3 | 59.0 | No linear change | Not available | No change |
| QN118: drama, o | | | | | | | | | e or mo | re hours | (such a | s sports | s, band, | | | | |
| | | | | | | | | | | | | 64.4 | 64.1 | 65.4 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | H | lealth R | Risk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|---------------------|---------|----------|----------|-----------|----------|-----------|------------|----------|-----------|-----------|----------|----------|----------|-------|----------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN8: P | ercenta | ge of st | udents v | who rare | ly or ne | ver wore | e a seat l | oelt (wh | en riding | g in a ca | r driver | n by som | neone el | se) | | | |
| | | 22.4 | 23.0 | 18.0 | 13.5 | 13.1 | 8.0 | 9.8 | 8.6 | | 9.0 | 4.4 | 5.9 | 7.8 | Decreased, 1995-2019 | Decreased, 1995-2015 Increased, 2015-2019 | No change |
| | | | | who rode | | driver w | ho had | been dri | nking al | lcohol (i | n a car | or other | vehicle | , one | | | |
| | | 43.3 | 40.3 | 33.1 | 30.3 | 33.0 | 25.2 | 29.7 | 23.4 | | 19.4 | 16.8 | 14.7 | 15.5 | Decreased, 1995-2019 | No quadratic change | No change |
| ON10: | | | | | | r or othe | | | | | | | | | | | |
| imes du days bef | _ | • | | e the sur | vey, un | iong stat | | | | | | | C | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| gary an | d Viole | nce | | H | Iealth F | Risk Bel | navior a | nd Per | centages | : | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|-------------------|------------------|----------------------|----------------------|------------------------|-------------------|----------|---------------|---------------|------------------|-----------------------------|---------------|------------------------|---------------------------|-----------------------|--|------------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 2 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | | other vehicl ehicle duri | | | | | | | |
| • | | | | | | | | | | 44 | 4.9 | 47.5 | 47.7 | 43.0 | No linear change | Not available [§] | No change |
| | | | . 1 . | | miad a r | veenon | (cuch ac | a gun 1 | cnife or | club on at | t loost | 1 1 | | 20 | | | |
| | | | | wno ca | med a v | weapon | (such as | a guii, i | xiiic, oi | ciuo, on at | t ieast | 1 day c | uring ti | ne 30 | | | |
| | | | | 9.1 | | 5.2 | 7.5 | 7.5 | 5.9 | | | • | 11.5 | 9.4 | Increased, 1995-2019 | No quadratic change | No change |
| days bef | Fore the s | 8.2 age of s | 7.1 | 9.1 | 6.6 rried a v | 5.2 | 7.5 | 7.5 | 5.9 | | 0.6 | 10.8 | 11.5 | 9.4 | Increased, 1995-2019 | No quadratic change | No change |
| QN12: days bef | Fore the s | 8.2 age of s | 7.1 | 9.1 | 6.6 rried a v | 5.2 | 7.5 | 7.5 | 5.9 | 10 | 0.6 knife, | 10.8 | 11.5 | 9.4 | Increased, 1995-2019 No linear change | No quadratic change Not available | No change |
| QN13: day duri | Percentang the 3 | 8.2 age of s 0 days | 7.1 tudents before t | 9.1 who can the survey | 6.6 rried a vey) | 5.2 | 7.5 on school | 7.5 DI prope | 5.9 rty (such | 10 | 0.6 knife, | 10.8 or club 2.9 | 11.5 o, on at 1 2.6 | 9.4 least 1 3.0 | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth R | isk Beh | avior a | nd Per | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-----------------------|----------------------|-----------|-----------|---------|-------------------------------|--------------------------------|-----------------------------------|---------------------------|----------|-----------|---------------|-----------------|----------|------------------------|-------------------|---------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | • | | |
| QN17: survey) | Percenta | age of st | tudents v | who wer | e in a p | hysical | fight (c | one or m | ore time | s during | the 12 | months | before t | he | | | |
| | | | | | | | | | | | | | 14.4 | 16.2 | No linear change | Not available§ | No change |
| | | | | | | | | | | | | | 17.7 | 10.2 | 110 inicar change | 1,00 a. a.a.a. | |
| ON19· | Percent | age of st | tudents v | who wer | e ever | nhysical | lly force | ed to ha | ve sexua | l interco | urse (w | hen they | | | Two inneur change | | |
| QN19: to) | Percenta | age of st | tudents v | who wer | e ever | physical | lly force | ed to ha | ve sexua | l interco | urse (w | hen they | | | The fine change | 1100 41 4440 | |
| | Percenta | age of st | tudents v | | re ever | physical | lly force | ed to ha | ve sexua | | urse (w | · | | | No linear change | No quadratic change | No change |
| QN22: | Percenta | age of st | tudents v | who exp | 10.2 | 13.0 | 10.8 | 14.0 | 12.0 | ng physic | 15.4 | 11.9 | did not | t want 14.6 | | | |
| QN22: someone with an | Percenta e they w | age of st | tudents v | who exp | 10.2 rerience with [c times d | 13.0 ed physicounting uring th | 10.8 cal dating such the 12 more | ng viole ings as onths be | 12.0 | ng physi | 15.4 cally hu | 11.9 urt on pu | rpose by | t want 14.6 y njured | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

| Female Injury an | nd Viole | ence | | Н | ealth F | Risk Beh | navior a | nd Perc | entages | ı | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 [†] |
|---------------------|----------|-----------|-----------|--------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|--------|----------------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QN23: | Percenta | age of st | tudents v | who we | re bulli | ed on sc | hool pro | perty (e | ver duri | ng the 1 | 12 mont | hs befo | re the su | ırvey) | | | |
| | | | | | | | | | 24.5 | | 30.4 | 22.9 | 27.0 | 24.8 | No linear change | Not available [§] | No change |
| QN24: Faceboo | | | | | | | | | | | d throug | gh textii | ng, Insta | igram, | | | |
| | | | | | | | | | | | | 21.4 | 23.8 | 21.9 | No linear change | Not available | No change |
| QN25: stopped | | | | | | | | | | | eks in a | row so | that the | ey | | | |
| | | | | 29.8 | 33.3 | 32.1 | 31.6 | 29.5 | 33.2 | | 38.4 | 31.3 | 38.3 | 41.3 | Increased, 1999-2019 | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

^{*}Not enough years of data to calculate.

| emale njury an | d Viole | nce | | | | | | | | | | | | | | | |
|--------------------|----------|----------|---------|---------|-----------|----------|----------|----------|-----------|-----------|----------|----------|----------|--------|----------------------|--|-----------------------|
| | | | | H | Iealth R | Risk Beh | avior a | nd Perc | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN26: 1 survey) | Percenta | age of s | tudents | who ser | riously o | consider | ed attem | pting su | uicide (e | ver duri | ng the 1 | 2 mont | hs befor | e the | | | |
| | | 29.4 | 27.1 | 19.3 | 23.0 | 21.5 | 19.9 | 19.4 | 20.6 | | 18.6 | 18.9 | 24.1 | 20.2 | Decreased, 1995-2019 | Decreased, 1995-1999 No change, 1999-2019 | No change |
| QN27: Defore the | | | tudents | who ma | ade a pla | an about | how the | ey would | d attemp | t suicide | e (durin | g the 12 | month | S | | | |
| | | 22.4 | 19.0 | 14.0 | 18.4 | 15.9 | 14.0 | 12.9 | 14.2 | | 16.4 | 15.8 | 16.6 | 13.9 | Decreased, 1995-2019 | Decreased, 1995-2005 No change, 2005-2019 | No change |
| QN28: 1 | Percenta | age of s | tudents | who att | empted | suicide | (one or | more tin | nes duri | ng the 1 | 2 month | ns befor | e the su | rvey) | | | |
| | | 10.9 | 11.1 | 6.8 | 11.0 | 9.8 | 9.3 | 10.7 | 7.9 | | 8.0 | 10.3 | 8.4 | 9.3 | No linear change | No quadratic change | No change |
| QN29: 1 to be tre | | | | | | | | | | jury, po | isoning | , or ove | rdose th | at had | | | |
| | | 3.5 | 3.5 | 3.1 | 2.3 | 2.7 | 2.3 | 2.9 | 3.3 | | 2.8 | 3.2 | 2.6 | 3.1 | No linear change | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| Female Tobacco | Use | | | | | | | | | | | | | | | | |
|-------------------|----------|--------|-----------|----------|-----------|-----------|-----------|-----------|-----------|------------|----------|-----------|----------|-------|----------------------|--|-------------------------|
| | | | | I | Health l | Risk Bel | havior a | nd Pero | centage | S | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| QN31: | Percenta | age of | students | s who fi | rst tried | cigarett | e smokir | ng befor | e age 13 | years (e | even one | e or two | puffs) | | | | |
| | | | | | | | | | | | | | 9.2 | 8.3 | No linear change | Not available§ | No change |
| QN32: survey) | Percenta | age of | students | s who cu | ırrently | smoked | cigarette | es (on at | t least 1 | day duri | ng the 3 | 30 days | before t | he | | | <u>.</u> |
| | | 39.4 | 40.8 | 30.1 | 30.4 | 26.9 | 20.5 | 23.2 | 19.1 | | 13.2 | 8.1 | 8.1 | 6.0 | Decreased, 1995-2019 | Decreased, 1995-2009 Decreased, 2009-2019 | No change |
| | CIG: Per | | | dents w | ho curre | ently sm | oked cig | arettes f | frequent | ly (on 20 |) or mor | re days o | luring t | he 30 | | | |
| | | 20.5 | 23.1 | 15.0 | 17.7 | 15.3 | 11.4 | 11.8 | 6.6 | | 5.4 | 2.8 | 2.4 | 1.4 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | No change |
| | YCIG: F | | tage of s | students | who cu | rrently s | moked o | cigarette | s daily (| (on all 30 | 0 days d | luring th | e 30 da | ys | | | |
| | | 15.7 | 17.8 | 10.8 | 13.0 | 12.3 | 8.5 | 8.7 | 4.8 | | 3.4 | 1.8 | 1.8 | 1.0 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Female Fobacco | | | | | | | | | | | | | Linear Change* | Ovedvetic Change* | Character forms | | |
|-------------------------------|----------|----------|---------|----------|----------|-----------|-----------|----------|----------|-----------|----------|----------|----------------|-------------------|----------------------|-------------------|-------------------------|
| | | | | п | eaith K | isk deli | avior ai | ia rero | emages | | | | | | Linear Change | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN34: vape pip eGo, and | es, vapi | ng pens | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 35.0 | 39.5 | 49.3 | Increased, 2015-2019 | Not available§ | Increased |
| QN35: e-pipes, Plus, eG | vape pi | pes, vap | ing pen | s, e-hoo | kahs, an | d hooka | h pens | [such as | blu, NJ | | | | | | | | |
| | | | | | | | | | | | | 16.5 | 7.9 | 17.9 | No linear change | Not available | Increased |
| QNFRE during tl | | | | | o currer | ntly used | d electro | nic vap | or produ | icts freq | uently (| (on 20 o | r more o | days | | | |
| | | | | | | | | | | | | 1.4 | 1.6 | 7.7 | Increased, 2015-2019 | Not available | Increased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Female Fobacco V | Use | | | Н | ealth Ri | isk Beha | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 [†] |
|----------------------------------|----------|----------|-----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|--------|----------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | 9 | | |
| QNDAY the 30 da | | | | udents v | vho curi | rently us | sed elect | tronic va | apor pro | ducts d | aily (on | all 30 d | ays dur | ring | 1 | | |
| | | | | | | | | | | | | 1.1 | 1.5 | 5.2 | Increased, 2015-2019 | Not available [§] | Increased |
| QNTB5: | | | | | | smoked | l cigaret | tes or us | sed elec | tronic v | apor pro | oducts (| on at le | east 1 | | | |
| | | | | | | | | | | | | 20.9 | 13.5 | 19.6 | No linear change | Not available | Increased |
| QN37: I dissolval vapor pr | ble toba | icco pro | ducts [si | uch as C | openha | gen, Gri | zzly, Sk | coal, or | Camel S | | | | | nic | | | |
| | | | | | | | | | | | | | 3.7 | 1.3 | Decreased, 2017-2019 | Not available | Decreased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Female Fobacco | Use | | | Н | lealth F | Risk Beh | avior a | nd Pero | centages | | | | | | ${\bf Linear~Change}^*$ | Quadratic Change* | Change from 2017-2019 † |
|---------------------|----------|---------|----------|----------|-----------|-----------|----------|-----------|-------------------------------------|-------------|----------|------------|-----------|------|-------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN38: during t | | | | | rrently s | smoked | cigars (| cigars, c | igarillos | , or little | e cigars | , on at le | east 1 da | ıy | | | |
| | | | | 11.6 | 9.2 | 9.2 | 9.4 | 10.0 | 10.5 | | 9.3 | 7.1 | 6.8 | 3.9 | Decreased, 1999-2019 | No change, 1999-2015 Decreased, 2015-2019 | Decreased |
| QNTB2 before the | | | student | s who c | currently | y smoke | d cigare | ttes or c | igars (or | at leas | t 1 day | during t | he 30 da | ays | | | |
| | | | | 33.7 | 32.1 | 28.3 | 23.8 | 26.1 | 23.0 | | 17.7 | 12.2 | 10.4 | 7.5 | Decreased, 1999-2019 | Decreased, 1999-2013 Decreased, 2013-2019 | No change |
| tobacco. | , shisha | or hook | ah tobac | cco, and | lelectro | onic vapo | or produ | icts, eve | ducts (ind r during before tl | the 12 r | nonths | | | | | | |
| | | | | | | | | | | | | | 40.5 | 50.1 | No linear change | Not available [§] | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | H | Health F | Risk Beh | avior a | nd Pero | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--------|----------|---------|---------------------|----------|-----------|-----------|-----------|-----------|------------------------|----------|-----------|------------|----------|------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN40: | Percent | age of | students | who ha | d their f | ïrst drin | k of alco | ohol bef | ore age | 3 years | (other | than a fe | ew sips) | | | | |
| | | 32.7 | 28.4 | 27.4 | 25.5 | 21.7 | 19.8 | 18.6 | 14.7 | | 16.2 | 14.2 | 16.9 | 14.8 | Decreased, 1995-2019 | Decreased, 1995-2009 No change, 2009-2019 | No change |
| | | | students survey) | who cu | rrently | drank ald | cohol (a | t least o | ne drink | of alcoh | nol, on a | at least 1 | day du | ring | | | , |
| | | 53.9 | 53.0 | 46.5 | 46.1 | 48.5 | 40.4 | 44.1 | 39.1 | | 37.4 | 34.3 | 36.1 | 30.9 | Decreased, 1995-2019 | No quadratic change | No change |
| female | students | or five | | e drinks | of alcol | | | | d four or idents, w | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | H | Iealth R | Risk Beh | avior a | nd Per | centages | i | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-------------------|----------|------------------|----------|------------------------|-------------------|----------------|-----------|----------------------------|----------|-----------|----------|----------|---------------|-----------|----------------------|---------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QN44: days bet | | | | | | | | | by some | eone giv | ing it t | o them (| during t | he 30 | | | |
| | | | | | | | | 44.9 | 45.9 | | 39.2 | 44.2 | 47.6 | 41.0 | No linear change | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| QN47: survey) | Percenta | age of s | tudents | who cu | rrently ι | ısed maı | rijuana (| (one or | more tim | nes durin | ng the 3 | 0 days b | efore th | e | | | |
| - | | age of s | etudents | who cu | rrently u | used man | rijuana (| (one or 1 | more tim | nes durin | ng the 3 | 0 days b | refore th | e 15.6 | Decreased, 1995-2019 | No quadratic change | No change |
| survey) QN49: | Percenta | 20.2 age of s | 26.9 | 23.3 who evold then | 21.9 er took j | 20.4 prescript | 16.2 | 17.4 n medic gs such | | out a do | 17.0 | 12.6 | 19.5 on or | | Decreased, 1995-2019 | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| conor a | nd Oth | er Drug | USE | H | ealth Ri | isk Beha | avior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|---------|-----------------------|---------|----------|---------|-----------|----------|-----------|----------|-----------|-----------|---------|-----------|----------|------|----------------------|-------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | Percenta tring the | | udents v | who eve | er used h | eroin (a | lso calle | ed "smac | ck," "jur | ık," or " | China V | White," o | one or n | nore | | | |
| ımes du | | | | | | | | | | | | | | | Decreased, 2017-2019 | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

Female Sexual Behaviors Health Risk Behavior and Percentages Linear Change* Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN58: Percentage of students who ever had sexual intercourse 51.6 52.4 56.1 49.6 52.8 47.1 53.1 47.3 43.9 Decreased, 1995-2019 No quadratic change No change 40.7 35.1 42.4 QN59: Percentage of students who had sexual intercourse for the first time before age 13 years 4.2 4.3 4.5 5.0 3.0 3.5 3.2 3.4 2.4 1.2 Decreased, 1995-2019 No quadratic change No change QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) 39.9 41.2 42.9 38.9 41.6 34.7 43.7 36.3 31.9 26.1 35.6 33.9 Decreased, 1995-2019 No quadratic change No change QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) 22.9 21.5 16.8 20.0 22.3 18.1 16.8 19.4 17.9 18.0 14.3 16.1 No linear change No quadratic change No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Missouri High School Survey Trend Analysis Report

| | | | | H | Iealth R | Risk Bel | navior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-201 |
|------------------|---------|------------------------------|-----------------------|-----------------|------------------|-----------------|-----------|----------|----------|----------|---------|----------|--------|------|------------------|--|----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | - | | | _ | | | | | | | | | | | | | |
| | | | | who use | ed a con | ndom du | ring last | sexual i | ntercour | rse (amo | ng stud | lents wh | o were | | | | |
| QN63: Fourrently | sexuall | | | who use | ed a con | ndom du 56.9 | ring last | sexual i | | | | lents wh | 49.5 | 48.6 | No linear change | Increased, 1995-2001 No change, 2001-2019 | No change |
| currently | ercenta | ly activ 43.8 age of s | e) 52.9 tudents | 54.4 who use | 56.4 ed birth | 56.9 | - | 53.8 | 51.1 | | 51.8 | 53.5 | 49.5 | 48.6 | No linear change | * | No change |

5.2 4.9 5.9

6.1

No linear change

Not available§

No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth R | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 |
|--|--|---|--|------------------|---|-----------------------|---|--|------------|------------------|-------------------------|----------|--|-----------------------|----------------------------|----------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| control 1 | ring (suc | Percenta ch as Nu lly activ | ivaRing | | | | | | | | | | | | | | |
| • | • | J | ,, | | | | | | | | 7.9 | 8.7 | 7.2 | 10.6 | No linear change | Not available [§] | No change |
| | | | | | | | | | | | | | | | | | |
| implant control 1 | (such as ring (suc | Percenta s Implar ch as Nu lly activ | on or N waRing | lexpland | on); or a | shot (su | ich as D | epo-Pro | vera), p | atch (su | ich as O | rthoEv | a), or b | oirth vere 47.8 | Increased, 2013-2019 | Not available | No change |
| implant control i currently QNDUA pills; an Depo-Pi | (such as ring (such y sexual ALBC: IUD (such rovera), | s Implar ch as Nu | non or None and on or None of None of None of State of St | tudents or ParaG | on); or a last sex who use ard) or i | shot (su cual inte | ach as D rcourse a condor (such as | epo-Pro (to prev m during s Implan g (such a | g last sei | eatch (sugnancy, | 30.8 arcourse on); or a | e and bi | ra), or b s who w 40.5 rth cont uch as | 47.8 | Increased, 2013-2019 | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| 1997 1999 2 | 2001 2003 | 2005 2007 | 2009 | 2011 | 2013 | 2015 | | | | | |
|-----------------------------------|-----------|-------------------------------|--|--|---|---|--|--|--|--|--|
| | | | | | 2013 | 2015 | 2017 | 2019 | | | |
| ge of students whents who were cu | | | prevent p | oregnanc | ey durir | ng last s | exual | • | | | |
| 4.3 13.2 10 | 0.9 7.4 | 9.6 10.4 | 8.7 | | 18.9 | 10.5 | 14.9 | 10.0 | No linear change | Decreased, 1995-2003 Increased, 2003-2019 | No change |
| 4 d | .3 13.2 1 | ents who were ever tested for | ents who were ever tested for human immu | ents who were ever tested for human immunodeficien | ents who were ever tested for human immunodeficiency viru | ents who were ever tested for human immunodeficiency virus (HIV | ents who were ever tested for human immunodeficiency virus (HIV) (not co | ents who were ever tested for human immunodeficiency virus (HIV) (not counting | ents who were ever tested for human immunodeficiency virus (HIV) (not counting tests | ents who were ever tested for human immunodeficiency virus (HIV) (not counting tests | ents who were ever tested for human immunodeficiency virus (HIV) (not counting tests |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | H | Iealth F | Risk Bel | havior a | and Pero | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------------------|------------|-------------|-----------|----------------|--------------------------|-------------------------------------|-------------------------------|------------------------|------------|----------|--------------------|--------------------------|----------------|-------------|---|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | centile bu | | | tile for l | oody ma | ıss | | | |
| | | | | 13.7 | 12.3 | 15.0 | 15.7 | 13.4 | 13.8 | | 16.3 | 12.4 | 16.2 | 17.0 | No linear change | No quadratic change | No change |
| | FSF · Pe | ercentag | e of stu | lents w | ho had a | nhesity | (>- 95th | nercent | tile for h | ody mas | s index | hased | on sex- | and | | | , |
| | | | | | | | (>= 95th h charts) 10.6 | | tile for b | | ss index | t, based | on sex- | and 13.9 | Increased, 1999-2019 | No quadratic change | No change |
| age-spe | cific refe | age of s | lata fron | 5.3 | 8.3 | C growt 8.2 | h charts) | 8.5 | | | 11.1 | 10.3 | 14.8 | 13.9 | Increased, 1999-2019 | No quadratic change | No change |
| age-spe | eific refe | age of s | lata fron | 5.3 | 8.3 | C growt 8.2 | h charts) | 8.5 | 10.4 | one or r | 11.1 | 10.3 | 14.8 | 13.9 | Increased, 1999-2019 Increased, 1999-2019 | No quadratic change No change, 1999-2005 Increased, 2005-2019 | No change |
| QN69: before t | Percenta | age of sey) | tudents | 5.3 who did | 8.3 d not dri 20.8 | C growt 8.2 ink fruit 22.4 | 10.6 juice (1 21.0 | 8.5 00% fru 22.6 | 10.4 | one or r | 11.1 more tir 31.3 | 10.3 mes duri 34.3 | 14.8 ng the 7 | 13.9 | , | No change, 1999-2005 | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

| Female Weight M | I anager | nent an | d Dieta | - | | Risk Beh | navior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † |
|---------------------|-----------------|---------|-----------|------|------|-----------|----------|-----------|------------|----------|----------|-----------|-----------|-------|----------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QNFR0: or grape | | | | | | | or drink | 100% f | ruit juice | es (such | as oran | ge juice | , apple j | uice, | | | |
| | | | | 4.9 | 6.3 | 5.2 | 5.0 | 5.8 | 5.5 | | 6.8 | 5.7 | 7.4 | 5.7 | No linear change | No quadratic change | No change |
| QNFR1: orange ju | | | e, or gra | | | g the 7 d | | ore the s | | or more | times po | er day (s | such as | 50.0 | Decreased, 1999-2019 | No quadratic change | No change |
| QNFR2: orange ju | | | | | | | | | | or more | times p | er day (| such as | | | | |
| | | | | 28.6 | 26.6 | 21.2 | 23.6 | 26.8 | 29.0 | | 22.7 | 23.4 | 22.6 | 21.2 | Decreased, 1999-2019 | No quadratic change | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | Ianage r | | | - | | Risk Bel | navior a | and Pero | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---------------------------|-----------------|-----------|--------|---------|-----------|---------------------------|-------------------|--------------|--------------------------|----------|--------------------------|----------------------------|--------------------------|--------------------|--|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN71: | Percenta | age of st | udents | who die | l not ea | t green s | salad (or | ne or mo | re times | during | the 7 da | ays befo | re the si | ırvey) | | | |
| | | | | 30.1 | 29.3 | 27.9 | 29.9 | 27.9 | 32.3 | | 37.6 | 38.8 | 40.6 | 37.6 | Increased, 1999-2019 | No quadratic change | No change |
| QN72: | Percenta | age of st | udents | who die | l not ea | t potato | es (one o | or more | times du | ring the | 7 days | hefore | he surv | ev) | | | |
| | | • | | | | • | ` | | | 8 | / days | octore | iic sui v | cy) | | | |
| | | | | 26.5 | 27.5 | 28.0 | 25.3 | 31.1 | | | 30.6 | 36.4 | 34.3 | 40.5 | Increased, 1999-2019 | No quadratic change | No change |
| QN73: | Percenta | | | | | 28.0 | 25.3 | 31.1 | 31.4 | | 30.6 | 36.4 | 34.3 | 40.5 | Increased, 1999-2019 | No quadratic change | No change |
| QN73: | Percenta | | | | l not ea | 28.0 | 25.3 (one or | 31.1 more ti | 31.4 mes duri | | 30.6 | 36.4 | 34.3 | 40.5 | Increased, 1999-2019 No linear change | No quadratic change No quadratic change | No change |
| QN73: QN74: survey) | | age of st | udents | who die | d not ear | 28.0 t carrots 55.5 | 25.3 (one or 54.7 | 31.1 more ti | 31.4 mes duri 53.2 | ng the 7 | 30.6 7 days b 57.4 | 36.4 before the 57.2 | 34.3 e survey 59.7 | 40.5 y) 52.0 | , | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 |
|----------|-------------|----------|-----------|----------|--------------------------------|--|--------------------|--|------------------------|----------|---|-----------|--------------------------------------|-------|----------------------------|-------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | alad, po ys before | | | ng Frenc | h fries, t | fried | | | |
| | | | | 4.2 | 2.6 | 2.5 | 3.6 | 5.3 | 4.7 | | 6.3 | 5.5 | 7.7 | 5.7 | Increased, 1999-2019 | No quadratia abanca | No change |
| | | | | | 2.0 | 2.3 | 5.0 | 5.5 | 4.7 | | 0.5 | 3.3 | 7.7 | 3.1 | mcreased, 1999-2019 | No quadratic change | No change |
| | | | oes, or p | otato cl | ate veg | getables | one or r | nore tin | nes per des, durin | g the 7 | en salad | , potato | es [exclu | ıding | Decreased, 1999-2019 | No quadratic change | No change |
| French 1 | fries, frie | ed potat | oes, or p | 61.2 | o ate veg hips], ca 64.8 | getables arrots, of 64.0 getables | one or r r other v | more tim vegetabl 61.6 more tin | nes per d es, durin | ag the 7 | en salad days be 56.3 en salad | , potatoo | es [exclusurvey) 54.9 es [exclusive] | 58.7 | · | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------------------|----------|-----------|-----------|---------|---------------------------|-----------|---------|------------|----------------------|----------|--------------|----------|--------|------|----------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| - | | | | | · | | | | mes per er vegeta | 2 .0 | | · . | | the | | | |
| | | | | 12.2 | 11.1 | 8.2 | 9.4 | 11.5 | 12.2 | | 12.4 | 8.9 | 7.9 | 10.4 | No linear change | No quadratic change | No change |
| | <u> </u> | aga of at | udents v | | not driv | ak milk | (during | the 7 da | vs hefor | e the su | rvov) | , | | | | | |
| QN76: | Percenta | age of st | uuciits v | ипо ата | not am | AIIIII AI | (during | tile / tie | iys ocioi | c the su | ivey) | | | | | | |
| QN76: | Percenta | age of st | | 25.4 | | 21.6 | ` | 24.6 | 19.5 | | 22.8 | 26.3 | 30.8 | 34.2 | Increased, 1999-2019 | No change, 1999-2013 Increased, 2013-2019 | No chang |
| QNMIL n a glas | .K1: Per | rcentage | of stud | ents wh | 20.5 o drank cereal | 21.6 | 18.2 | 24.6 | • | milk (co | 22.8 ounting | the mill | they d | rank | Increased, 1999-2019 | | No chang |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|----------|----------|-----------|-----------|---------|---------|----------------------|-----------|---------|----------|----------|---------|------|------|------|--|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| n a glas | s or cup | , from a | | or with | cereal | three or and cour | | | | | | | | | | | |
| , de | | | | 9.5 | 12.9 | 7.8 | 10.1 | 9.1 | 11.3 | | 6.6 | 7.1 | 4.9 | 3.5 | Decreased, 1999-2019 | No change, 1999-2009 Decreased, 2009-2019 | No change |
| | Percenta | age of st | tudents v | | | 7.8 breakfa | | | | fore the | | | 4.9 | 3.5 | Decreased, 1999-2019 | | No change |
| | Percenta | age of st | tudents v | | | | | | | fore the | |) | 4.9 | 3.5 | Decreased, 1999-2019 No linear change | | No chang |
| QN77: | | | | who did | not eat | | st (durin | g the 7 | days bet | | survey) | 15.5 | 11.3 | | | Decreased, 2009-2019 | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | • | | | Н | ealth Ri | sk Beha | avior an | d Perc | entages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 † |
|----------|----------------------------------|----------|------------|------------|----------|------------|----------|--------|---------|------|------|------|------|------|----------------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| kind of | Percenta physical fore the | activity | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 36.3 | 40.1 | 39.7 | 46.0 | Increased, 2013-2019 | Not available [§] | No change |
| 1 day (i | DAY: In any kii he 7 day | nd of ph | ysical a | ctivity tl | | | | | | | | | | | | | , |
| | | | | | | | | | | | 20.3 | 18.8 | 17.8 | 15.6 | No linear change | Not available | No change |
| | DAY: I | | | | | | | | | | | | | | | | |
| kind of | physical fore the | | tilat liic | reasea | inon not | iri ruto t | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | Activity | | | Н | ealth R | Risk Beh | avior a | nd Pero | centages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 † |
|--------------------|---------------------------|----------------------|---------------------|---------------------|---------------------|------------------------|-----------|------------------------------|--------------------------|----------------------|-----------------------------|-------------------------------|-----------------------------|----------------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN79: | Percenta | age of st | tudents | who wa | tched te | elevision | 3 or me | ore hou | rs per da | y (on ar | ı averag | ge schoo | l day) | | | | |
| | | | | 36.8 | 32.2 | 29.0 | 29.7 | 29.1 | 29.8 | | 24.5 | 23.9 | 22.0 | 21.2 | Decreased, 1999-2019 | No quadratic change | No change |
| | | | | | | | | | | | | | | | | | |
| (countii | Percentang time sam, Face | spent on | things | such as | Xbox, I | PlayStati | ion, an i | Pad or o | other tab | let, a sn | artpho | ne, texti | ng, Ŷou | Tube, | Increased, 2007-2019 | Increased, 2007-2015 No change, 2015-2019 | No change |
| (counting Instagra | ng time s | spent on book, or | things r other s | such as social m | Xbox, I edia, fo | PlayStati or someth | ion, an i | Pad or o t was no 18.0 | other table ot school | let, a sm work, o | nartpho on an av 31.9 | ne, texti verage s 38.3 | ng, Ŷou chool da 42.9 | Tube, ny) 40.0 | Increased, 2007-2019 | ŕ | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

| | | | H | lealth R | disk Beh | avior a | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------------|----------|-----------|---------|----------|----------|----------|---------|-----------|---------|----------|------------|---------|------|----------------|-------------------|-----------------------|
| 1991 199 | 3 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| NDI VPF | Percenta | ge of stu | dents w | ho atten | ded phy | sical ed | ucation | (PE) clas | sses on | all 5 da | vs (in aı | averag | Α | | | |
| eek when th | ey were | in schoo | | | | | | ` ′ | | | ys (iii ui | raverag | C | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| emale ther | | | | | | | | | | | | | | | | | |
|-----------------|----------|----------|-----------|---------|-----------|------------|-----------|-----------|-----------|-----------|-----------|----------|----------|--------|----------------------|---------------------|-----------------------|
| | | | | Н | ealth R | isk Beh | avior aı | nd Perc | centages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN86: during tl | | | | | | ist (for a | check- | up, exai | m, teeth | cleaning | g, or oth | er denta | al work, | | | | |
| | | | | | | | | | | | | 73.2 | 72.4 | 70.5 | No linear change | Not available§ | No change |
| QNNOI work) | ONT: P | ercentag | ge of stu | dents w | ho neve | r saw a | dentist (| for a ch | neck-up, | exam, t | eeth cle | aning, o | or other | dental | | | |
| , | | | | | | | | | | | | 1.8 | 2.0 | 2.5 | No linear change | Not available | No change |
| QN87: 1 | Percenta | age of s | tudents | who had | l ever be | een told | by a do | ctor or 1 | nurse tha | at they h | ad asth | ma | - | | , | | |
| | | | | | | | 21.5 | 20.9 | 19.7 | | 26.5 | 20.6 | 25.9 | 24.7 | Increased, 2005-2019 | No quadratic change | No change |
| QN88: 1 | Percenta | age of s | tudents | who got | 8 or mo | ore hour | s of slee | ep (on a | n averag | e schoo | l night) | | | | | | |
| | | | | | | | | | | | | 25.5 | 20.4 | 21.7 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| emale ite-Adde | ed | | | | | | | | | | | | | | | | |
|----------------------|----------|----------|---------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|---------|-----------|----------------|------------------|----------------------------|-----------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN90: P | Percenta | age of s | tudents | who rare | ely or ne | ever wea | ır a seat | belt wh | en drivi | ng (amo | ong stud | ents wh | o drive | a car) | | | |
| | | | | | | | | | | | 7.7 | 3.5 | 4.9 | 6.6 | No linear change | Not available [§] | No change |
| QN91: P while dri | | | | | | | | | n by soi | neone v | vho was | texting | or e-ma | ailing 70.0 | No linear change | Not available | No change |
| QN92: P | | | tudents | who hav | ve ever b | een giv | en mone | ey, a pla | ce to sta | ay, food | , or som | nething | else of v | alue | <u> </u> | | ; |
| | | | | | | | | | | | | | 4.5 | 4.2 | No linear change | Not available | No change |
| QN95: P | Percenta | age of s | tudents | who use | d electro | onic-vap | oor prod | ucts ma | inly bec | ause a f | friend or | family | membe | r used | | | , |
| | | | | | | | | | | | | | 9.6 | 9.1 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| emale Site-Add | ed | | | | | | | | | | | | | | | | |
|--------------------|------|------|---------|---------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------|------------------|-------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN97: students | | | | | ve ever p | participa | ted in a | progran | n to help | them o | quit usir | ng tobac | cco (ame | ong | | | |
| | | | | | | | | | | | 6.5 | 10.7 | 7.6 | 12.9 | No linear change | Not available§ | No change |
| QN98: to quit u | | | tudents | who rep | orted th | at their | school h | as speci | al group | os or cla | asses for | r studen | ts who | want | | | |
| 1 | 8 | | | | | | | | | | 2.7 | 1.3 | 2.4 | 4.8 | No linear change | Not available | Increased |
| | | | | | | at some | | | | oducts i | n the stu | ıdent's l | nome w | hile | - | | |
| | | | | | | | | | | | | 24.9 | 31.9 | 25.4 | No linear change | Not available | No change |
| QN100: one day | | | | | | vehicle | where so | omeone | was sm | oking a | tobacco | produc | et (on at | least | | | |
| | | | | | | | | | | | | 32.3 | 39.1 | 28.3 | No linear change | Not available | Decreased |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Temale Site-Added | | | | | | | | | | | | | | | | | |
|---------------------------------------|----------|---------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|---------|-----------|-------|----------------------|----------------------------|-----------------------|
| | | | | Н | ealth R | isk Beha | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
| 1991 19 | 993 19 | 995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QN101: Per indoor or ou lots, and par | ıtdoor p | oublic | places | (such a | s school | buildin | gs, store | es, resta | urants, s | | | | | | | | |
| | | | | | | | | | | | | 51.5 | 58.0 | 47.4 | No linear change | Not available [§] | Decreased |
| QN102: Per place where during the 7 | they w | orked | on at | least or | | | | | | | | | | | | | |
| | | | | | | | | | | | | 15.2 | 24.5 | 20.5 | No linear change | Not available | No change |
| QN103: Per people work | | e of s | tudents | who th | ink emp | oloyers s | hould n | ever allo | ow smol | king in i | ndoor a | reas in | places | where | | | |
| | | | | | | | | | | | | 89.8 | 90.1 | 81.5 | Decreased, 2015-2019 | Not available | Decreased |
| QN110: Per asthma | ercentag | ge of s | tudents | who ha | ad been | told by a | doctor | or nurs | e that th | ey had a | asthma a | and wh | o still h | ave | | | |
| | | | | | | | | 13.2 | 12.9 | | 16.3 | 12.3 | 15.2 | 16.2 | No linear change | No quadratic change | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Female Site-Add | ed | | | Н | ealth R | isk Beha | avior aı | nd Perc | entages | | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 [†] |
|--------------------------------|-----------|----------|----------|---------|---------|----------|----------|---------|----------|--------|---------|-----------|----------|--------------|----------------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN111: their ast | | | | | | | | a nurse | or docto | or how | to take | care of o | or mana; | ge 53.5 | No linear change | Not available [§] | Decreased |
| QN112: [not cou | | | | | | | | | | | | | nning b | ooth 19.2 | No linear change | Not available | No change |
| QN113: for 12 h more tir | ours or i | more aft | er being | outside | | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

| | | | | Н | ealth Ri | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|--|-----------------|-----------------------|-----------------------------|-----------|----------|---------|----------|-----------|----------|-----------|-----------|--------------------------|------------------------|------------|------------------------------------|------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | | ntage of ng felt s | | | | | | | e kind o | f help th | ney need | l (amon | g stude | nts | | | |
| | | | | | | | | | | | | 28.0 | 30.1 | 23.6 | No linear change | Not available§ | No change |
| | | | | | | | | | | | | | | | | | |
| ON116. | Dorgon | togo of | etudonte | who of | a dinnar | ot hom | o with o | t loost o | no of th | oir noro | nts on fo | our or n | oro dos | 10 | | | |
| | | tage of ys befor | | | e dinner | at hom | e with a | t least o | ne of th | eir pare | nts on fo | our or n | ore day | 7S | | | , |
| | | | | | e dinner | at hom | e with a | t least o | ne of th | eir pare | nts on fo | our or n | ore day | 64.0 | No linear change | Not available | No change |
| (during to during the during the during the during to during the during th | the 7 da | | e the su | rvey) | | · | · | , | | | | 63.2 | 58.0 | 64.0 | No linear change | Not available | No change |
| (during) | the 7 da | ys before | e the su | rvey) | | · | · | , | | | | 63.2 | 58.0 | 64.0 | No linear change No linear change | Not available Not available | No change |
| QN117: chem a l | Percenot of end | ys before | ethe su students ment | s who str | rongly a | gree or | agree th | at their | teachers | really o | care abo | 63.2 out them 62.7 | 58.0 and gi 58.7 | 64.0 ve | | | , |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | |] | Health l | Risk Be | havior a | and Per | centages | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---------------|---------|----------|-------------------|----------|----------|---------|------------|----------|-----------|-----------|----------|----------|----------|-------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN8: P | ercenta | ge of st | udents v | vho rare | ly or ne | ver wor | e a seat l | belt (wh | en riding | g in a ca | r driver | n by son | neone el | se) | | | |
| | | 30.3 | 26.6 | 19.3 | 18.5 | 13.3 | 11.9 | 10.2 | 9.4 | | 9.8 | 7.2 | 7.8 | 6.3 | Decreased, 1995-2019 | Decreased, 1995-2005 Decreased, 2005-2019 | No chang |
| - | • | _ | udents whe 30 day | | | | vho had | been dri | nking al | cohol (i | n a car | or other | vehicle | , one | | | |
| or more | | 45.4 | 41.7 | 37.0 | 33.4 | 30.8 | 24.5 | 27.1 | 24.5 | | 17.4 | 17.5 | 14.3 | 15.1 | Decreased, 1995-2019 | No quadratic change | No chang |
| or more | | | | | | | | | | | | | | | | | |
| QN10: imes du | | age of s | s before | | | | er vehicl | | | | | | | | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| njury and V | Violence | | | | | | | | | | | | | | | |
|--|-----------|-----------|----------|-----------|---------|-----------|----------|-----------|-----------|----------|------------------|--------------|---------|----------------------------|-------------------------------|-------------------------|
| | | | | Health 1 | Risk Be | havior | and Per | centage | es | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 199 | 93 199 | 5 1997 | 7 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN11: Perc the 30 days l survey) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 47.3 | 49.8 | 46.6 | 48.4 | No linear change | Not available¶ | No chang |
| QN12: Perc | | | s who ca | rried a v | weapon | (such as | a gun, l | knife, or | club, on | at least | t 1 day o | luring t | ne 30 | | | |
| | 24.9 | 19.9 | 19.0 | 20.2 | 16.3 | 18.9 | 17.6 | 14.9 | | 23.6 | 23.4 | 21.8 | 19.0 | No linear change | Decreased, 1995-2003 | No chan |
| | | | | | | | | | | | | | | | Increased, 2003-2019 | |
| | | | | | weapon | on scho | ol prope | rty (such | ı as a gu | n, knife | or club | o, on at | least 1 | | Increased, 2003-2019 | |
| QN13: Perc day during tl | | | | | weapon | on school | ol prope | rty (such | as a gu | n, knife | , or club 5.8 | o, on at 4.3 | least 1 | No linear change | Not available | No chang |
| | he 30 day | ys before | the surv | d not go | to scho | ol becau | ıse they | | | | 5.8 | 4.3 | 4.1 | No linear change | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| njury and V | 'iolence | | F | łealth F | Risk Bel | havior a | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--------------------|-----------------|------------|--------|-----------|----------|----------|-----------|-----------|----------|---------|----------|----------|------|----------------------------|-------------------------------|-------------------------|
| 1991 199 | 93 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN17: Perce | entage of s | students | who we | re in a p | hysical | fight (o | ne or mo | ore times | s during | the 12 | months | before t | he | | | |
| survey) | | | | | | | | | | | | 19.6 | 22.8 | No linear change | Not available¶ | No chang |
| | | | | | | | | | | | | | | | | |
| QN19: Perce to) | entage of s | students v | who we | re ever p | physical | ly force | ed to hav | e sexual | interco | urse (w | hen they | did not | want | | | |
| | | | | 6.7 | 8.6 | 6.4 | 10.0 | 7.3 | | 8.5 | 7.5 | 9.8 | 10.0 | No linear change | No quadratic change | No chang |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| White* Injury and Vi | olence | | , | TT 141- | D'ala D | | J. D | 4 | | | | | | L'acce Channa | Overdent's Charact | Character forms |
|--------------------------------|------------|---------|--------|-----------|----------|-----------|-----------|----------|---------|----------|----------|-----------|--------|----------------------------|--|-------------------------|
| | | | J | неанп | KISK BE | ehavior a | and Per | centage | es | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| QN23: Percer | ntage of s | tudents | who we | ere bulli | ed on so | chool pro | operty (e | ver duri | ing the | 12 mon | ths befo | re the s | urvey) | | | |
| | | | | | | | | 23.9 | | 26.0 | 22.1 | 23.6 | 22.8 | No linear change | Not available [¶] | No change |
| QN24: Percer Facebook, or o | | | | | | | | | | d throu | gh texti | ng, Insta | agram, | | | |
| | | | | | | | | | | | 17.3 | 19.9 | 19.5 | No linear change | Not available | No change |
| QN25: Percer stopped doing | | | | | | | | | | eks in a | row so | that the | ey | | | |
| | | | 23.4 | 28.1 | 25.2 | 24.8 | 23.0 | 25.6 | | 25.6 | 26.4 | 31.7 | 32.7 | Increased, 1999-2019 | No change, 1999-2013 Increased, 2013-2019 | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| White* Injury a | nd Viol | lence | | | | | | | | | | | | | | | |
|--------------------|----------|----------|---------|---------|-----------|----------|----------|----------|-----------|----------|----------|----------|----------|--------|----------------------------|--|-------------------------|
| | | | |] | Health 1 | Risk Be | havior a | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN26: I | Percenta | age of s | tudents | who ser | riously o | consider | ed atten | pting si | uicide (e | ver duri | ng the 1 | 2 mont | hs befor | e the | | | |
| | | 24.2 | 22.6 | 16.9 | 19.2 | 16.5 | 15.9 | 14.9 | 14.2 | | 14.2 | 16.9 | 20.4 | 17.3 | Decreased, 1995-2019 | Decreased, 1995-2009 Increased, 2009-2019 | No chang |
| QN27: 1 | | | tudents | who ma | ade a pla | an about | how the | ey woul | d attemp | t suicid | e (durin | g the 12 | 2 month | S | | | |
| | | 18.9 | 16.5 | 13.5 | 13.9 | 13.1 | 11.3 | 10.0 | 10.3 | | 12.2 | 13.0 | 16.1 | 12.4 | Decreased, 1995-2019 | Decreased, 1995-2007 Increased, 2007-2019 | Decrease |
| QN28: 1 | Percent | age of s | tudents | who att | empted | suicide | (one or | more tir | nes durii | ng the 1 | 2 month | ns befor | e the su | rvey) | | | |
| | | 8.1 | 8.5 | 5.6 | 8.0 | 6.3 | 6.7 | 7.4 | 5.3 | | 6.0 | 8.9 | 7.8 | 5.7 | No linear change | No quadratic change | No chang |
| QN29: 1 | | | | | | | | | in an in | jury, po | isoning | , or ove | rdose th | at had | | | |
| | | 2.6 | 2.4 | 2.3 | 1.6 | 1.8 | 1.3 | 1.9 | 1.9 | | 1.8 | 2.9 | 2.2 | 1.4 | No linear change | No quadratic change | No chang |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| White* Tobacco | Use | | | | | | | | | | | | | | | | |
|--------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|----------|------------|-------|----------------------------|--|-------------------------|
| | | | | | Health | Risk Be | ehavior : | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | . | | |
| QN31: 1 | Percenta | age of | students | who fir | st tried | cigarette | e smokir | ng before | e age 13 | years (e | even one | e or two | puffs) | | | | |
| | | | | | | | | | | | | | 8.9 | 8.0 | No linear change | Not available¶ | No change |
| QN32: 1 | Percenta | age of s | students | who cu | rrently | smoked | cigarette | es (on at | least 1 | day duri | ng the 3 | 0 days | before the | he | | | |
| | | 40.8 | 43.4 | 39.4 | 32.6 | 26.0 | 23.3 | 25.2 | 19.4 | | 14.4 | 12.0 | 9.9 | 7.2 | Decreased, 1995-2019 | No quadratic change | No change |
| QNFRC days bef | | | | dents wl | no curre | ently smo | oked cig | arettes f | requentl | y (on 20 | or mor | e days o | luring th | ne 30 | | | |
| | | 21.4 | 24.7 | 20.0 | 19.6 | 14.3 | 12.2 | 12.1 | 6.7 | | 5.4 | 4.6 | 2.9 | 1.3 | Decreased, 1995-2019 | No change, 1995-2001 Decreased, 2001-2019 | Decreased |
| QNDAY before th | | | age of s | tudents | who cu | rrently s | moked c | cigarette | s daily (| on all 30 |) days d | uring th | e 30 da | ys | | | |
| | | 16.7 | 19.2 | 14.7 | 14.6 | 11.5 | 9.3 | 9.9 | 5.6 | | 3.9 | 3.5 | 2.1 | 1.0 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| White* Fobacco | Use | | | | | | | | | | | | | | | | |
|---------------------------------|----------|----------|---------|----------|----------|-----------|-----------|----------|----------|-----------|----------|---------|--------|------|----------------------------|-------------------------------|-------------------------|
| | | | | Н | Iealth R | Risk Bel | navior a | nd Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN34: I vape pip | es, vapi | ing pens | | | | | | | | | | | | | | | |
| , | 3/ | | | | | | | | | | | 41.7 | 40.8 | 52.0 | Increased, 2015-2019 | Not available¶ | Increased |
| QN35: 1 e-pipes, Plus, eG | vape pij | pes, vap | ing pen | s, e-hoo | kahs, an | d hooka | h pens | [such as | blu, NJ | | | | | | | | |
| | | | | | | | | | | | | 22.2 | 11.5 | 24.2 | No linear change | Not available | Increased |
| QNFRE during th | | | | | o currer | ntly used | l electro | onic vap | or produ | icts freq | uently (| on 20 o | r more | days | | | |
| | | | | | | | | | | | | 3.1 | 3.1 | 11.1 | Increased, 2015-2019 | Not available | Increased |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| White* Fobacco Use | | | • | | | | | | | | | | | V. G. * | | CI 6 |
|---|----------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|-----------|----------|----------|-------|----------------------------|-------------------------------|-------------------------|
| | | | Н | lealth R | tisk Ber | 1avior a | nd Per | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QNDAYEVP: Po | | | udents v | vho curr | rently us | sed elec | tronic v | apor pro | ducts d | aily (on | all 30 d | ays dur | ing | | | |
| · | | • | | | | | | | | | 2.0 | 2.5 | 8.1 | Increased, 2015-2019 | Not available¶ | Increased |
| QNTB5: Percent day during the 30 | | | | | smoked | l cigaret | tes or us | sed elec | tronic v | apor pro | oducts (| on at le | ast 1 | | | |
| | | | | | | | | | | | 26.4 | 17.5 | 26.7 | No linear change | Not available | Increased |
| QN36: Percentag (such as a conven survey, among str | nience s | tore, su | permark | cet, disc | ount sto | re, gas | station, | or vape | store, d | uring the | e 30 day | | | | | |
| | | | | | | | | | | | | 14.3 | 6.8 | No linear change | Not available | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| Vhite* Cobacco | Use | | | | | | | | | | | | | | | | |
|--|---------------------------------|-----------|--|----------------------|----------|---------|-----------|----------|-------------------|-------------|-----------|----------|------------------------|-----------------|--|-------------------------------------|-------------------------|
| | | | | H | Health 1 | Risk Be | ehavior | and Per | centage | es | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| ON37: I | Percenta | age of st | udents v | who cur | rently ı | | | | | g tobacc | | | | nio. | | | |
| | | cco pro | | | onenh | agen G | rizzly S | koal or | Camel S | Snust no | or commr | ing anv | electron | | | | |
| dissolval vapor pr | ble toba | | ducts [si | uch as C | | | | | | Snus], no | ot count | ing any | electroi | iic | | | |
| dissolval | ble toba | | ducts [si | uch as C | | | | | | Snus], no | ot count | ing any | 6.1 | 6.1 | No linear change | Not available¶ | No chang |
| dissolval vapor pr | ble toba oducts, Percenta | on at lea | ducts [si ast 1 day | uch as C y during | g the 30 | days be | efore the | survey |) | or little | | | 6.1 | 6.1 | No linear change | Not available¶ | No chang |
| dissolval vapor pro QN38: I | ble toba oducts, Percenta | on at lea | ducts [si ast 1 day ast 1 day | uch as C y during | g the 30 | days be | efore the | survey |) | , or little | | | 6.1 | 6.1 | No linear change Decreased, 1999-2019 | Not available¶ No quadratic change | No chang |
| dissolval vapor pro QN38: I during th | Percentane 30 da | on at lea | ducts [st ast 1 day udents vere the su | who cururvey) | rently s | smoked | cigars (d | e survey | igarillos 12.1 | , or little | e cigars, | on at le | 6.1 ast 1 da 9.4 | 6.1 y 4.9 | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages

Linear Change[†] Quadra

Quadratic Change[†]

Change from 2017-2019 §

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN39: Percentage of students who tried to quit using all tobacco products (including cigarettes, cigars, smokeless tobacco, shisha or hookah tobacco, and electronic vapor products, ever during the 12 months before the survey, among students who used any tobacco products during the 12 months before the survey)

37.9 49.2 Increased, 2017-2019

Not available[¶]

Increased

^{*}Non-Hispanic.

Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{{}^{\}S}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

| 95 1997 of student | | | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2015 | 2010 | _ | | |
|-------------------------|----------|-----------------------------------|---|--|--|--|---|---|---|--|--|----------------------|--|---|
| of student | s who ha | d their f | iret drin | - | | | | 2015 | 2013 | 2017 | 2019 | | | |
| | | | nst uilli | k of alco | ohol bef | ore age 1 | 13 years | (other | than a fe | ew sips) | | | | |
| 33.6 | 31.7 | 29.4 | 23.3 | 22.5 | 20.0 | 17.9 | | 18.9 | 15.3 | 18.4 | 14.5 | Decreased, 1995-2019 | Decreased, 1995-2007 Decreased, 2007-2019 | Decrease |
| of student ne survey | | rrently d | lrank ald | cohol (a | t least o | ne drink | of alcoh | ol, on a | nt least 1 | day du | ring | | | |
| 55.2 | 55.7 | 49.9 | 50.3 | 42.5 | 47.0 | 40.0 | | 36.1 | 37.0 | 34.0 | 30.1 | Decreased, 1995-2019 | No quadratic change | No chang |
| of | 55.2 | survey) 55.2 55.7 Students who cu | e survey) 55.2 55.7 49.9 Students who currently v | e survey) 55.2 55.7 49.9 50.3 Students who currently were bin | e survey) 55.2 55.7 49.9 50.3 42.5 Students who currently were binge drink | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 Students who currently were binge drinking (had | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 Students who currently were binge drinking (had four or | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 Students who currently were binge drinking (had four or more decomposition) | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 36.1 Students who currently were binge drinking (had four or more drinks of | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 36.1 37.0 Students who currently were binge drinking (had four or more drinks of alcohol | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 36.1 37.0 34.0 Students who currently were binge drinking (had four or more drinks of alcohol in a row | • | e survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 36.1 37.0 34.0 30.1 Decreased, 1995-2019 Students who currently were binge drinking (had four or more drinks of alcohol in a row for | Students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during survey) 55.2 55.7 49.9 50.3 42.5 47.0 40.0 36.1 37.0 34.0 30.1 Decreased, 1995-2019 No quadratic change Students who currently were binge drinking (had four or more drinks of alcohol in a row for |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| | | | | | Health 1 | Risk Be | havior | and Pei | rcentage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|----------------------|----------|---------------|------------------|-------------|-----------------|------------------|------------------|--------------|------------------|----------|-----------|----------|----------------------|-------|--|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN44: I lays befo | | | | | | | | | by som | eone giv | ing it to | o them (| during t | he 30 | | | |
| ays och | ore the | sui vcy, | , among | student | s who c | urrentry | urank a | ilconor) | | | | | | | | | |
| • | | | | | | | | 37.9 | 41.4 | | 34.7 | 39.8 | 43.1 | 41.2 | No linear change | No quadratic change | No chans |
| | | | | | | | | 37.9 | 41.4 | | 34.7 | 39.8 | 43.1 | 41.2 | No linear change | No quadratic change | No chang |
| N47: I | Percenta | age of s | students | who cu | rrently 1 | used ma | rijuana | | 41.4 more tim | | | | | | No linear change | No quadratic change | No chan |
| | | age of s | students 26.1 | who cu | rrently t | used ma | rijuana 17.4 | | | | | | | | No linear change Decreased, 1995-2019 | No quadratic change | No chan |
|)N47: I | | | | | - | | | (one or | more tim | | ng the 3 | 0 days b | efore th | e | | | |
| N47: I | Percenta | 20.6 age of s | 26.1 | 22.3 who ev | 24.2 er took | 20.0 prescrip | 17.4 tion pai | (one or 17.5 | more tim | es durin | 17.9 | 0 days b | efore the 19.2 on or | e | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| | | | | H | Health R | lisk Beh | avior a | nd Perc | centages | S | | | | | Linear Change [†] | Quadratic Change [†] | Change fron 2017-2019 § |
|-----|----------------------|----------|---------|---------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|------|----------------------------|-------------------------------|-------------------------|
| 991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | Percenta ring the | | tudents | who eve | er used h | eroin (a | lso calle | ed "smac | ck," "jur | nk," or " | 'China V | White," o | one or n | nore | | | |
| | | 11 1110) | | | | | | | | | | | 2.9 | 1.5 | No linear change | Not available¶ | No chan |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| exual I | Behavio | rs | | | | | | | | | | | | | | | |
|----------|---------|-----------------------|------------------------------|---------------------|-----------|-----------|----------|-----------|-----------------|----------|----------|-----------|------|----------------|--|-------------------------------|-------------------------|
| | | | |] | Health 1 | Risk Be | havior a | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| N58: | Percent | age of s | tudents | who ev | er had s | exual in | tercours | e | : | | | | | : | | | |
| | | 51.8 | 46.0 | 51.0 | 47.9 | 50.4 | 43.3 | 48.8 | 43.9 | | 39.4 | 37.1 | 41.9 | 44.4 | Decreased, 1995-2019 | No quadratic change | No chan |
| N59: | Percent | age of s | tudents | who ha | d sexual | l interco | urse for | the first | time be | fore age | e 13 yea | rs | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 7.0 | 4.6 | 5.5 | 4.8 | 4.0 | 4.3 | 4.0 | 2.9 | | 2.2 | 2.9 | 1.9 | 3.7 | Decreased, 1995-2019 | No quadratic change | No chan |
| | | age of s | | who we | ere curre | | | | 2.9 d sexual | interco | | | | | Decreased, 1995-2019 | No quadratic change | No chan |
| | | age of s | tudents | who we | ere curre | | | | | interco | | | | | Decreased, 1995-2019 Decreased, 1995-2019 | No quadratic change | No char |
| Juring t | he 3 mo | age of sonths be 37.3 | students fore the 33.1 | who we survey) 38.0 | ere curre | ently sex | ually ac | tive (had | d sexual | | urse wi | th at lea | 33.0 | erson, 34.2 | | | |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| Sexual B | sehavio | rs | |] | Health l | Risk Bel | havior a | and Per | centages | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|------------------------------|---------|------|------|---------|----------|----------|-----------|----------|-----------|----------|-----------|----------|---------|------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN63: 1 | | _ | | who use | ed a con | dom du | ring last | sexual i | intercour | rse (amo | ong stud | lents wh | no were | • | | | |
| | | 51.6 | 55.2 | 52.5 | 59.7 | 63.5 | 63.7 | 57.5 | 57.5 | | 56.4 | 56.3 | 51.6 | 58.2 | No linear change | Increased, 1995-2003 No change, 2003-2019 | No change |
| QN64: I | | | | | | | pills bef | ore last | sexual ii | ntercoui | rse (to p | revent j | oregnan | cy, | | | |
| | | 21.8 | 23.4 | 28.5 | 24.4 | 26.7 | 19.8 | 22.5 | 30.0 | | 17.9 | 24.4 | 26.4 | 31.1 | No linear change | No quadratic change | No change |
| QNIUD or Nexpl active) | | | _ | | | | | | | | • | , | | • | | | |
| ŕ | | | | | | | | | | | 2.3 | 4.6 | 4.0 | 4.8 | No linear change | Not available¶ | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| | Behavio | rs | | H | lealth R | lisk Bel | navior a | ind Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---------------------------|--|--|------------------------------------|------------------------------------|-------------------|-----------------------|--------------------|----------|------------|-----------------|-------------------------|---|--|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| control | PARG: 1 ring (sud y sexual | ch as Nu | vaRing) | | | | | | | | | | | | | | |
| | - | | | | | | | | | | 5.5 | 5.7 | 7.0 | 6.7 | No linear change | Not available¶ | No chang |
| ONIOTI | HIDI 3 | D | | . 1 | 1 | 1.1.1.41. | 1 | *11 | IIID / | .1 3.4 | r | . D | 1\ . | | | | |
| implant control | HHPL: l (such as ring (suc y sexual | s Implan ch as Nu | on or N vaRing) | explano | n); or a | shot (su | ich as Ď | epo-Pro | vera), p | atch (su | ich as C |)rthoEv | ra), or b | | Increased, 2013-2019 | Not available | No chan |
| entrol poills; an Depo-Pr | (such as ring (suc | s Implan ch as Nu lly active Percenta uch as M patch (s | age of st lirena or uch as (| explano) before udents v r ParaG | who use ard) or i | shot (su ual inter | condor (such as | m during | g last ser | atch (sugnancy, | 25.8 ercourse on); or a | orthoEventstudent 34.7 e and bit is shot (s | ra), or best who was 37.4 rth contuch as | 42.5 | Increased, 2013-2019 | Not available | No chan |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| | | |] | Health I | Risk Bel | navior a | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---------------|---------|----------|---------|----------|----------|----------|---------|---------|---------|------------------|-----------|-------|------|----------------------------|-------------------------------|-------------------------|
| 1991 199 | 3 199 | 5 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| NIDCNONE | · Perce | atage of | | 1 | | | .1 1. | | | | | : | | : | | |
| | | | | | | | | prevent | pregnar | ncy duri | ng last s | exual | | | | |
| itercourse (a | | udents w | ho were | | | | | 6.5 | pregnar | ncy duri 13.7 | ng last s | exual | 6.6 | No linear change | No quadratic change | No chan |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| | viumuge | | nd Diet | • | | | havior | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|----------|----------------------|------|---------|---------|----------|-----------|----------|---------|------------|----------|----------|------------|----------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | entile bu | | | tile for l | oody ma | ıss | | | |
| | | | | 10.8 | 14.1 | 14.1 | 15.9 | 13.0 | 12.4 | | 15.0 | 12.2 | 15.5 | 15.7 | No linear change | No quadratic change | No change |
| | est: Pe | | | | | C growt | h charts | | tile for b | ody mas | 14.5 | 12.2 | on sex- | 17.5 | Increased, 1999-2019 | No quadratic change | No chang |
| | | | udents | who die | l not dr | ink fruit | juice (1 | 00% fru | it juices | one or i | more tir | nes duri | ng the 7 | days | | | |
| | Percenta he surve | | | | | | | | | | | | | | | | |
| | | | | 20.3 | 20.8 | 20.9 | 22.2 | 23.3 | 26.8 | | 29.8 | 33.1 | 35.6 | 36.4 | Increased, 1999-2019 | No quadratic change | No chang |
| before t | he surve | ey) | | | | | | | 26.8 | the 7 da | | | | 36.4 | Increased, 1999-2019 | No quadratic change | No chang |

^{*}Non-Hispanic.

 $^{^{\}dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

| Weight N | Manage | ement a | nd Dieta | - | | | havior : | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---------------------|--------|---------|-----------|------|------|------|----------|---------|------------|----------|----------|-----------|--------------|-------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QNFR0: or grape | | | | | | | or drink | 100% f | ruit juice | es (such | as oran | ge juice | , apple j | uice, | | | |
| | | | | 5.7 | 7.3 | 6.4 | 5.7 | 5.0 | 6.3 | | 7.4 | 6.6 | 7.2 | 6.4 | No linear change | No quadratic change | No change |
| QNFR1: orange ji | | | e, or gra | | | | | | | or more | times po | er day (s | such as 49.2 | 49.9 | Decreased, 1999-2019 | No quadratic change | No change |
| QNFR2: orange ji | | | | | | | | | | or more | times p | er day (s | such as | | | | |
| | | | | 25.7 | 26.6 | 22.5 | 25.5 | 27.7 | 25.5 | | 23.1 | 22.8 | 22.1 | 17.2 | Decreased, 1999-2019 | No change, 1999-2009 Decreased, 2009-2019 | Decreased |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | ······································· | incirc a | nu Dici | - | haviors Health l | | havior a | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|------------------|---|-----------|---------|---------|---------------------|---------|----------|-----------|-----------|----------|-----------|----------|-----------|--------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN71: | Percent | age of st | tudents | who die | d not eat | green s | alad (on | e or mo | re times | during | the 7 da | ys befo | re the su | ırvey) | | | |
| | | | | 29.3 | 32.3 | 30.9 | 31.3 | 32.5 | 33.9 | | 40.0 | 40.7 | 44.2 | 42.4 | Increased, 1999-2019 | No quadratic change | No change |
| QN72: | Percent | age of st | tudents | who die | d not eat | potatoe | s (one o | or more | times du | ring the | 7 days | before | the surv | ey) | | | |
| | | | | 21.8 | 23.8 | 24.2 | 24.1 | 26.1 | 26.6 | | 26.3 | 33.2 | 30.5 | 35.8 | Increased, 1999-2019 | No quadratic change | No change |
| QN73: | Percenta | age of st | tudents | who die | d not eat | carrots | (one or | more tii | mes duri | ng the 7 | days be | efore th | e survey | ·) | | | |
| | | | | 50.0 | 53.3 | 54.0 | 49.6 | 53.2 | 50.0 | | 51.9 | 52.0 | 56.6 | 52.1 | No linear change | No quadratic change | No change |
| QN74: survey) | Percent | age of st | tudents | who die | d not eat | other v | egetable | es (one o | or more t | imes du | iring the | 7 days | before t | the | | | |
| 3, | | | | 11.7 | 14.1 | | | 13.5 | 13.9 | | 19.5 | 14.1 | 18.0 | 16.9 | Increased, 1999-2019 | No quadratic change | No chang |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | | | | I | Health 1 | Risk Be | havior : | and Per | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|------|---------|-----------|-----------|---------|----------|-----------|-----------|----------|-----------------------|----------|---------|----------|----------|-------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | | | | | | | | | salad, po ys befor | | | ng Frenc | h fries, | fried | | | |
| | | | | 3.2 | 4.1 | 3.5 | 3.2 | 4.8 | 5.0 | | 5.1 | 4.5 | 7.3 | 6.2 | Increased, 1999-2019 | No quadratic change | No chang |
| | | | | | | | | | nes per d | | | | | | | | |
| | | | | 68.5 | 65.0 | 63.4 | 65.2 | 62.7 | 65.6 | | 60.7 | 60.7 | 57.4 | 59.4 | Decreased, 1999-2019 | No quadratic change | No chang |
| | 2. Perc | centage (| of stude | nts who | | | | | nes per o | | | | | | | | |
| | | ed potate | oes, or r | otato c | hipsl, c | arrots, c | r other ' | vegetabl | ies, aurii | ig the / | uavs be | | | | | | |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| White* Weight N | Manage | ement a | nd Dieta | ary Bel | naviors | | | | | | | | | | | | |
|---------------------------------|----------|-----------|-----------|---------|-----------|---------|----------|----------|-----------|-----------|--------|------|------|------|----------------------------|--|-------------------------|
| | | | | I | Health 1 | Risk Be | havior a | and Per | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QNVEG [excludin survey) | | | | | | | | | | | | | | the | | | |
| | | | | 12.3 | 12.0 | 9.2 | 10.8 | 10.3 | 13.4 | | 10.1 | 9.7 | 8.5 | 8.9 | Decreased, 1999-2019 | No quadratic change | No change |
| QN76: 1 | Percenta | age of st | tudents v | who did | l not dri | nk milk | (during | the 7 da | ays befor | re the su | ırvey) | | | | | | |
| | | | | 15.0 | 13.1 | 14.8 | 13.2 | 15.2 | 12.9 | | 15.6 | 17.9 | 22.3 | 26.0 | Increased, 1999-2019 | No change, 1999-2013 Increased, 2013-2019 | No change |
| QNMIL in a glas glass, du | s or cup | , from a | a carton, | or with | cereal | | | | | | | | | | | | |
| | | | | 50.7 | 50.3 | 48.5 | 48.7 | 46.6 | 48.1 | | 41.4 | 39.1 | 30.8 | 27.5 | Decreased, 1999-2019 | Decreased, 1999-2015 Decreased, 2015-2019 | No change |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | | | | I | Health l | Risk Be | havior a | ınd Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|------------|----------|-----------|---------|---------|-----------|---------|------------|----------|---------|----------|---------|------|------|------|--|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| a glas | s or cup | | carton, | or with | cereal | three o | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | 20.5 | 21.0 | 17.7 | 16.8 | 14.6 | 16.1 | | 12.2 | 11.2 | 7.5 | 7.1 | Decreased, 1999-2019 | Decreased, 1999-2015 Decreased, 2015-2019 | No chan |
| N77: I | Percenta | age of st | cudents | | | 17.7 | | | | fore the | | | 7.5 | 7.1 | Decreased, 1999-2019 | · · | No chan |
| N77: I | Percenta | age of st | cudents | | | | | | | fore the | | | 7.5 | 7.1 | Decreased, 1999-2019 No linear change | · · | No chan |
| | | | | who did | l not eat | | ast (durir | ng the 7 | days be | | survey) | 13.5 | 13.6 | | | Decreased, 2015-2019 | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| White* Physical | Activit | y | | H | lealth R | tisk Beh | navior a | nd Pero | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--------------------|----------------------------------|----------|----------|------------|----------|----------|----------|---------|---------|------|------|------|------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| kind of | Percenta physical fore the | activity | | | | | | | | | | | | | | | |
| • | | • | | | | | | | | | 47.5 | 48.7 | 48.1 | 50.2 | No linear change | Not available [¶] | No chang |
| 1 day (i | DAY: In any kin | nd of ph | ysical a | ctivity tl | | | | | | | | | | | Decreased, 2013-2019 | Not available | Decrease |
| | | | | | | | | | | | 17.7 | 13.7 | 13.1 | 10.6 | Decreased, 2013-2019 | Not available | Decrease |
| | | | | | | | | | | | | - | | | | | |
| kind of | DAY: Iphysical | activity | | | | | | | | | | | | | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| Physical | Activity | . J | |] | Health I | Risk Be | havior a | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|----------------------|---------------------|---------------------|----------------------------------|---------------------|-------------------|-----------------------|---------------------|-------------------------------|--------------------------------|----------------------|------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN79: 1 | Percenta | age of s | tudents | who wa | tched te | levision | a 3 or mo | ore hour | s per da | y (on ar | averag | e school | l day) | : | | | |
| | | | | 31.6 | 32.5 | 27.2 | 28.3 | 22.7 | 26.1 | | 21.8 | 18.8 | 19.4 | 17.8 | Decreased, 1999-2019 | No quadratic change | No chang |
| | | | | | | | | | | | | | | | • | 1 | Č |
| QN80: 1 | Percenta | age of s | tudents | who pla | yed vid | eo or co | omputer | games o | or used a | compu | ter 3 or | more ho | ours per | | | | |
| countin | g time s | spent on | things | such as | Xbox, P | PlayStati | omputer jion, an il | Pad or o | other tab | let, a sn | nartphoi | ne, textii | ıg, Ŷou | day Tube, | | | |
| (countin | g time s | spent on | things | such as | Xbox, P | PlayStati | ion, an il | Pad or o | other tab | let, a sn | nartphoi | ne, textii | ıg, Ŷou | day Tube, | Increased, 2007-2019 | No quadratic change | No chang |
| (countin Instagra | g time s m, Face | spent on book, o | things s r other s tudents | such as social m | Xbox, Paedia, for | PlayStati r sometl | ion, an il | Pad or of t was no 19.3 | other tab ot school 20.7 | let, a sn work, o | nartphoi on an av 32.5 | re, texting rerage so | ng, You chool da 42.4 | day Tube, ay) 42.9 | Increased, 2007-2019 | | No chang |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| 1997 | 1999 | 2001 2 | 2003 2 | | | | | | | | | | | |
|------|-------------------|---------------------------------------|-------------------------------|---|--|--|---|---|--|--|---|--|---|---|
| | | | 2005 2 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | o attended | d physic | al educ | cation (I | PE) clas | sses on | all 5 da | ys (in ar | averag | e | | | |
| | | 30.6 33 | 3.9 32 | 2.9 2 | 24.9 | 33.3 | | 33.0 | 24.8 | 29.1 | 29.0 | No linear change | No quadratic change | No chang |
| S | 27.7 tudents v | n school) 27.7 21.0 : tudents who had | n school) 27.7 21.0 30.6 3 | n school) 27.7 21.0 30.6 33.9 3. tudents who had a concussion from | n school) 27.7 21.0 30.6 33.9 32.9 2 tudents who had a concussion from playing | n school) 27.7 21.0 30.6 33.9 32.9 24.9 tudents who had a concussion from playing a sp | n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 tudents who had a concussion from playing a sport or b | n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 tudents who had a concussion from playing a sport or being ph | n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 33.0 tudents who had a concussion from playing a sport or being physically | n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 33.0 24.8 tudents who had a concussion from playing a sport or being physically active (| n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 33.0 24.8 29.1 tudents who had a concussion from playing a sport or being physically active (one or | 27.7 21.0 30.6 33.9 32.9 24.9 33.3 33.0 24.8 29.1 29.0 tudents who had a concussion from playing a sport or being physically active (one or more | n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 33.0 24.8 29.1 29.0 No linear change tudents who had a concussion from playing a sport or being physically active (one or more | n school) 27.7 21.0 30.6 33.9 32.9 24.9 33.3 33.0 24.8 29.1 29.0 No linear change No quadratic change tudents who had a concussion from playing a sport or being physically active (one or more |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| White* Other | | | | | | | | | | | | | | | | | |
|---------------------|----------|-----------|-----------|---------|-----------|------------|-----------|----------|----------|-----------|-----------|----------|----------|--------|----------------------------|-------------------------------|-------------------------|
| | | | | I | Health F | Risk Bel | navior a | nd Per | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN86: during the | | | | | | ist (for a | check- | up, exa | m, teeth | cleaning | g, or oth | er dent | al work | , | | | |
| | | | | | | | | | | | | 72.6 | 72.3 | 70.3 | No linear change | Not available¶ | No change |
| QNNOI work) | ONT: Po | ercentag | ge of stu | dents w | ho neve | er saw a | dentist (| for a ch | neck-up, | exam, t | eeth cle | aning, o | or other | dental | | | |
| , | | | | | | | | | | | | 2.2 | 2.3 | 2.8 | No linear change | Not available | No change |
| QN87: | Percenta | age of st | tudents | who had | l ever be | een told | by a do | ctor or | nurse th | at they h | nad asthi | ma | | | | | |
| | | | | | | | 17.8 | 19.8 | 18.7 | | 23.3 | 20.3 | 25.1 | 23.1 | Increased, 2005-2019 | No quadratic change | No change |
| QN88: | Percenta | age of st | tudents | who got | 8 or mo | ore hour | s of slee | ep (on a | n averag | ge schoo | l night) | | | | | | |
| | | | | | | | | | | | | 27.2 | 22.2 | 22.5 | No linear change | Not available | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| White* Site-Added | | | | | | | | | | | | | | |
|---|-----------|------------|--------------|-----------|-----------|-----------|----------|-----------|----------|---------|---------|----------------------------|-------------------------------|-------------------------|
| | | Heal | th Risk Be | havior a | nd Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 1993 1995 | 1997 1 | 1999 20 | 001 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN90: Percentage of st | udents wh | o rarely o | or never we | ar a seat | belt wh | en drivi | ng (amo | ong stud | lents wh | o drive | a car) | | | |
| | | | | | | | | 9.4 | 6.2 | 7.5 | 5.4 | No linear change | Not available¶ | No change |
| QN91: Percentage of st while driving (on at leas | | | | | | n by soi | neone v | who was | texting | or e-m | ailing | | | |
| | | | | | | | | | | 67.5 | 65.9 | No linear change | Not available | No change |
| QN92: Percentage of sti | udents wh | o have ev | ver been giv | en mone | ey, a pla | ce to sta | ay, food | , or som | nething | else of | value | | | |
| C | | | | | | | | | | 3.9 | 3.7 | No linear change | Not available | No change |
| QN95: Percentage of str | udents wh | o used el | ectronic-va | por prod | lucts ma | inly bec | ause a f | friend or | r family | membe | er used | | | |
| | | | | | | | | | | 7.4 | 9.3 | No linear change | Not available | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| | led | | | Н | lealth R | Risk Beh | navior a | nd Pero | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--------------------|---------------------|-----------------------|-----------|----------|----------|------------|----------|----------|-----------|-----------|-----------|-----------|---------|--------------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | Percenta who ha | | | | e ever p | articipa | ted in a | progran | n to help | them o | quit usir | ng tobac | co (amo | ong | | | |
| | | | | | | | | | | | 8.3 | 11.8 | 6.8 | 11.3 | No linear change | Not available¶ | No change |
| QN98: to quit u | | | udents v | who repo | orted th | at their s | school h | as speci | al group | os or cla | sses for | studen | s who | want | , | | |
| o quit t | | | | | | | | | | | 3.8 | 2.1 | 2.5 | 3.7 | No linear change | Not available | No chang |
| QN99: | Percenta | age of st | | | | at someo | | | | oducts in | | | | | No linear change | Not available | No change |
| QN99: | Percenta | age of st | | | | | | | | oducts in | | | | | No linear change | Not available Not available | No chang |
| QN99: he stud | Percenta ent was | age of st there (o | n at leas | who roo | y during | | lays bef | ore the | survey) | | n the stu | ident's h | 30.9 | hile 24.6 | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| Site-Added | | | Н | lealth R | disk Beh | avior a | nd Pero | centages | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from |
|--|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|---------|---------|------------------|------------|----------------------------|-------------------------------|--------------------|
| 1991 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | 2017-2019 § |
| 1991 1993 | 1993 | 1991 | 1777 | 2001 | 2003 | 2003 | 2007 | 2009 | 2011 | 2013 | 2013 | 2017 | 2019 | | | |
| QN101: Percei indoor or outdo lots, and parks, | or public | places | (such as | s school | building | gs, store | s, restai | ırants, s | | | | | | | | |
| | | | | | | | | | | | 50.4 | 53.1 | 43.1 | No linear change | Not available [¶] | Decreased |
| QN102: Percei place where the during the 7 day | y worke | d (on at | least on | | | | | | | | | | | | | |
| | | | | | | | | | | | 22.9 | 25.9 | 21.1 | No linear change | Not available | |
| | | | | | | | | | | | | | 21.1 | | 1100 41 4114010 | No chang |
| QN103: Percei people work | ntage of | students | who thi | ink emp | loyers si | hould ne | ever allo | ow smok | cing in i | ndoor a | reas in | | vhere | Decreased, 2015-2019 | Not available | |
| - | | | | | • | | | | | | 86.6 | places v 87.8 | vhere 77.5 | | | No chang Decrease |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| White* Site-Add | led | | | H | Iealth R | Risk Bel | navior a | nd Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--------------------|-----------|------------|----------|------------|-----------|----------|----------|---------|----------|--------|----------|-----------|---------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | 9 | | 2017-2017 |
| QN111: | | | | | | | | a nurse | or docto | or how | to take | care of o | r mana | ge | | | |
| their ast | nma (an | nong stu | dents w | no nave | e ever na | ia asunn | 1a) | | | | 52.7 | 53.5 | 57.3 | 54.4 | No linear change | Not available¶ | No change |
| | Percen | | | | | | | | | | | | nning b | ooth | | | , |
| [not cou | ınting ge | etting a s | spray-or | n tan], oi | ne or mo | ore time | s during | the 12 | months | before | the surv | | 12.0 | 15.5 | N 1: 1 | N | N 1 |
| | | | | | | | | | | | | 14.0 | 13.9 | 15.5 | No linear change | Not available | No change |
| QN113: for 12 h | ours or 1 | more aft | er being | | e in the | sun or a | | | | | | | | | | | |
| more un | | | | | | • | | | | | | | | | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| White* Site-Add | led | | | | | | | | | | | | | | | | |
|--------------------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|------|----------------------------|-------------------------------|-------------------------|
| | | | | I | Health F | Risk Bel | avior a | nd Per | centage | S | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | | | | | | ne time o | | | e kind o | f help th | ney need | d (amon | g stude | nts | | | |
| | | | | | | | | | | | | 28.4 | 28.2 | 23.3 | Decreased, 2015-2019 | Not available [¶] | No change |
| QN116: | | | | | e dinner | r at hom | e with a | t least o | ne of the | eir pare | nts on fo | our or n | nore day | /S | | | |
| (during | ino / de | ., 5 0010 | re the se | , | | | | | | | | 65.3 | 60.8 | 64.7 | No linear change | Not available | No change |
| | | ntage of | | s who st | rongly a | igree or | agree th | at their | teachers | s really | care abo | out them | and gi | ve | | | |
| | .00 01 01 | .vouruge | | | | | | | | | | 61.1 | 63.4 | 57.2 | No linear change | Not available | No change |
| | | | | | | e in scho | | | e or mo | re hours | s (such a | s sports | , band, | | | | |
| diailla, (| or cruos | , during | an aver | age wee | K WIICH | incy arc | III SCIIO | 01) | | | | 70.4 | 67.0 | 72.1 | No linear change | Not available | No change |
| | | | | | | | | | | | | | | | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| | 1995 | 1997 | 1000 | | | | | | | | | | | | | 2017-2019 § |
|---------------------------------------|---------|----------|---------|----------|----------|------------|----------|-----------|-----------|-----------|----------|-----------|-------|----------------------|--|-------------|
| | | | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN8: Percentage | of stud | dents w | ho rare | ly or ne | ver wore | e a seat l | belt (wh | en riding | g in a ca | ar driver | n by sor | neone el | se) | | | |
| 38 | 8.3 | 39.0 | 33.4 | 20.3 | 25.4 | 12.5 | 17.0 | 21.3 | | 14.6 | 11.6 | 13.7 | 18.4 | Decreased, 1995-2019 | Decreased, 1995-2015 Increased, 2015-2019 | No chang |
| QN9: Percentage or more times duri | | | | | | vho had | been dr | inking al | lcohol (i | in a car | or other | vehicle | , one | | | |
| 43 | 3.9 2 | 28.9 | 30.9 | 26.6 | 37.8 | 26.4 | 25.2 | 26.0 | | 23.7 | 20.5 | 19.7 | 14.0 | Decreased, 1995-2019 | No quadratic change | No chang |
| QN12: Percentage days before the sur | | ıdents v | who car | ried a w | veapon (| such as | a gun, k | nife, or | club, or | at leas | t 1 day | during th | ne 30 | | | |
| 32 | 2.5 | 19.6 | 24.4 | 17.5 | 17.0 | 18.9 | 19.2 | 19.1 | | 12.2 | 14.8 | 9.8 | 14.9 | Decreased, 1995-2019 | No quadratic change | No chang |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.
Not enough years of data to calculate.

| slack* njury a | nd Viol | ence | | H | Health I | Risk Bel | havior a | and Per | centage | es | | | | | Linear Change [†] | Quadratic Change [†] | Change from |
|-------------------|----------------------|-----------|----------|--------|-----------|------------------|-----------|-----------|-----------------|------------|----------|----------|-------------------------|------------------------|--|------------------------------------|----------------------|
| | | | | | | | | | | | | | | | _ | | 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | Percenta hool (on | | | | | | | | felt unsa | afe at sch | hool or | on their | way to | or | | | |
| | | | | | | | | | | | | 8.4 | 8.5 | 3.8 | No linear change | Not available [¶] | No chang |
| | Percenta | age of st | udents | who we | re in a p | hysical | fight (o | ne or m | ore time | s during | the 12 | months | before | the | | | |
| | Percenta | age of st | udents v | who we | re in a p | hysical | fight (o | ne or m | ore time | s during | g the 12 | months | before 15.2 | the 26.5 | Increased, 2017-2019 | Not available | Increase |
| urvey) QN19: | | | | | | | | | | es during | | | 15.2 | 26.5 | Increased, 2017-2019 | Not available | Increase |
| QN19: | | | | | re ever j | | | | | _ | | | 15.2 | 26.5 | Increased, 2017-2019 No linear change | Not available No quadratic change | Increase No chang |
| QN19: | Percenta | age of st | udents | who we | re ever p | ohysical 11.9 | lly force | ed to hav | ve sexua 8.6 | _ | ourse (w | when the | 15.2 y did no 8.0 | 26.5 ot want 5.2 | | | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| njury and | l Violenc | e | | | Health | Risk B | ehavior | and Pe | rcentage | s | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--|-----------|--------|----------|---------------------------------|------------------|-----------------------|------------------------------|--------------------|--------------------|--------------------|----------------------|-------------------|-------------------|----------------------------|--|-------------------------|
| 1991 19 | 1993 19 | 995 | 1997 | 1999 | 2001 | 2003 | 3 2005 | 2007 | 2009 | 2011 2 | 013 20 | 15 2017 | 7 2019 | | | 2017-2017 |
| QN24: Per Facebook, | | | | | | | | | | | rough tex | ting, Inst | agram, | | | |
| | | | | | | | | | | | 13.3 | 13.5 | 9.1 | No linear change | Not available¶ | No chan |
| | | | | | | | | | | | in a row | so that the | ey | | | |
| | | | | | | | 2 month | | | | | | 24.3 | No linear change | No change, 1999-2003 No change, 2003-2019 | No chan |
| QN26: Per | oing some | e usu | al activ | vities, e | ver duri 28.8 | ng the 1 29.1 | 2 month 26.8 | 23.3 | e the surv 29.5 | 7ey) 30 | .2 26.8 | 26.0 | 24.3 | No linear change | | No chan |
| QN25: Per stopped doi QN26: Per survey) | oing some | of str | al activ | vities, e | ver duri 28.8 | ng the 1 29.1 | 2 month 26.8 red atter | 23.3 | e the surv 29.5 | 7ey) 30 | .2 26.8 the 12 mo | 26.0 | 24.3 | No linear change | | No chan |
| Stopped doi | ercentage | of str | udents | vities, every 22.5 who see 10.4 | 28.8 riously | ng the 1 29.1 conside | 2 month 26.8 red atter | 23.3 mpting s 12.0 | 29.5 uicide (e | vey) 30 ver during | .2 26.8 The 12 mo | 26.0 nths befo | 24.3 ore the 12.0 | | No change, 2003-2019 | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| Black* Fobacco Use | | | | | | | | | | | | | | | |
|---|----------------------------|------------------------------|--------------------------|--------------------------|----------------|--------------|-----------------|----------------|-------------------------|-----------------------|--------------|---------------|-------------------------------------|------------------------------------|-------------------------|
| | | | | Health | Risk Be | ehavior : | and Per | rcentage | s | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 199 | 3 199 | 5 19 | 7 199 | 9 2001 | 2003 | 2005 | 2007 | 2009 | 2011 2 | 013 201 | 5 2017 | 2019 | - | | |
| QN31: Perce | entage of | f stude | ts who f | irst tried | cigarette | e smokir | ng befor | e age 13 | years (eve | n one or tv | o puffs) | | | | |
| | | | | | | | | | | | 10.7 | 10.3 | No linear change | Not available¶ | No chang |
| | | | | | | | | | | | | | | | |
| 01/24 P | | | | | | | | | | 1 20 1 | 1 0 | | | | |
| | entage of | f stude | ts who c | urrently | smoked | cigarette | es (on at | t least 1 | day during | the 30 day | s before | the | | | |
| | entage of | f studer | | urrently 14.4 | smoked 17.2 | cigarette | es (on at | t least 1 o | day during | • | s before 5.0 | 3.3 | Decreased, 1995-2019 | No quadratic change | No chang |
| urvey) QNFRCIG: | 23.9 Percenta | 21.9 | 16.9 | 14.4 | 17.2 | 9.6 | 15.0 | 15.7 | 11 | .3 5.9 | 5.0 | 3.3 | Decreased, 1995-2019 | No quadratic change | No chang |
| QNFRCIG: | 23.9 Percenta | 21.9 | 16.9 | 14.4 | 17.2 | 9.6 | 15.0 | 15.7 | 11 | .3 5.9 more day | 5.0 | 3.3 | Decreased, 1995-2019 Not available | No quadratic change Not available | |
| QN32: Percessurvey) QNFRCIG: Idays before the survey | 23.9 Percenta he surve 9.4 | 21.9 ge of s y) 9.1 | 16.9 cudents v 6.1 | 14.4 who curre 6.5 | 17.2 ently smo | 9.6 oked cig | 15.0 garettes f | 15.7 Frequentl | 11 y (on 20 or 4. | .3 5.9 more day 3 2.9 | 5.0 during | 3.3 the 30 | | | No chang Not availa |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| Black* Tobacco | Use | | | | | | | | | | | | | | | | |
|-------------------------------|----------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|-------------|-----------|----------|----------|------|----------------------------|--|-------------------------|
| | | | | H | Iealth F | Risk Bel | navior a | nd Pero | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN34: vape pip eGo, and | es, vapi | ing pens | | | | | | | | | | | | | | | |
| | 3, | | | | | | | | | | | 34.3 | 35.4 | 40.3 | No linear change | Not available [¶] | No change |
| QN37: dissolva vapor pr | ble toba | acco pro | ducts [s | uch as C | openha | gen, Gri | izzly, Sł | coal, or | Camel S | | | | | nic | | | |
| | | | | | | | | | | | | | 3.9 | 3.4 | No linear change | Not available | No change |
| QN38: during tl | | | | | rently si | noked c | eigars (c | igars, ci | garillos, | , or little | e cigars, | on at le | ast 1 da | y | | | |
| | | | | 14.4 | 13.6 | 16.2 | 17.9 | 16.6 | 17.2 | | 15.2 | 10.6 | 8.1 | 6.7 | Decreased, 1999-2019 | No change, 1999-2013 Decreased, 2013-2019 | |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| Black* Fobacco | Use | | |] | Health l | Risk Bel | navior a | nd Per | centages | 3 | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---------------------|------|------|----------|----------|-----------|----------|-----------|-----------|----------|---------|---------|----------|----------|------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | , | | |
| QNTB2: before th | | | f studen | ts who c | currently | smoked | d cigaret | tes or ci | gars (on | at leas | t 1 day | during t | he 30 da | nys | | | |
| | | | | 24.5 | 20.2 | 23.8 | 20.2 | 24.0 | 24.6 | | 20.8 | 14.2 | 10.9 | 6.8 | Decreased, 1999-2019 | No change, 1999-2013 Decreased, 2013-2019 | No change |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | | | | H | Iealth F | Risk Bel | navior a | and Pero | centage | es | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|------------------------|--------------------|---------|-----------------------|---------------------|----------|--------------------|------------------------|-----------|----------|----------|----------|-----------------------|------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| | | | | | | | | - | | | | | | | | | |
| ifferentl | ly than l | now a d | octor to | ld them | to use i | t (count | ing drug | gs such a | | | | escriptic xyContin | | | , | | |
| | ly than l | now a d | octor to | ld them | to use i | t (count | ing drug | gs such a | | | | | | 25.0 | No linear change | Not available [¶] | No chan |
| lifferentl Hydrocoo | ly than I done, ar | now a d | octor to ocet, one | ld them e or mor | to use i | t (count during | ing drug their life | gs such a | as codei | ne, Vice | odin, Ōx | | 16.1 | | No linear change | Not available [¶] | No chan |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| | | | | - | Health | Risk Be | havior | and Pei | rcentage | es | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|-------|----------------------|----------|---------|---------|----------|------------|----------|----------------|------------|-----------|----------|---------|----------------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| | Percenta he surve | | tudents | who di | d not dr | ink fruit | juice (1 | 00% fru | iit juices | one or | more tir | nes dur | ng the 7 | days | | | |
| | | | | 17.5 | 14.4 | 22.7 | 14.4 | 17.3 | 23.2 | | 28.6 | 22.9 | 29.3 | 28.4 | Increased, 1999-2019 | No quadratic change | No change |
| - | Domoonte | age of s | tudante | who die | d not ea | t fruit (c | ne or m | ore time | e durino | the 7 d | h - C | | | | | | |
| QN70: | Percent | age of s | tudents | 21.5 | 24.8 | 20.2 | 24.4 | 22.0 | 20.2 | , the 7 d | - | 14.6 | urvey) 17.9 | 19.9 | No linear change | No quadratic change | No chang |
| QNFR0 | | ntage of | student | 21.5 | 24.8 | 20.2 | 24.4 | 22.0 | | | 12.8 | 14.6 | 17.9 | | No linear change | No quadratic change | No change |
| | e: Percei | ntage of | student | 21.5 | 24.8 | 20.2 | 24.4 | 22.0 100% f | 20.2 | | 12.8 | 14.6 | 17.9 | | No linear change | No quadratic change | No change |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | | | | | Health | Risk Be | ehavior : | and Per | rcentage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|-------|---------|----------|---------|-------------------------|--------------------------|---------------------------|--------------------|-------------------------|------------------|----------|------------------|---------------------|--------------------------|----------------|----------------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | | | | | k 100% days bef | | ces two o | or more | times p | er day (s | such as | | | | |
| | | | | 35.2 | 38.9 | 33.7 | 27.2 | 32.6 | 34.1 | | 32.3 | 27.8 | 22.4 | 33.4 | No linear change | No quadratic change | No chang |
| | | | | | | | | | | | | | | | | | |
| N71: | Percent | age of s | tudents | who die 47.7 | d not ea | t green s | salad (or 49.3 | 45.9 | ore times 50.5 | during | | ys before | re the su | urvey) 46.9 | No linear change | No quadratic change | No chang |
| | | | | 47.7 | 46.9 | 43.1 | 49.3 | 45.9 | | | 48.5 | 53.5 | 50.1 | 46.9 | No linear change | No quadratic change | No chang |
| | | | | 47.7 | 46.9 | 43.1 | 49.3 | 45.9 more ti | 50.5 mes duri | | 48.5 | 53.5 | 50.1 | 46.9 | No linear change | No quadratic change No quadratic change | No chang |
| QN73: | Percent | age of s | tudents | 47.7 who did 77.1 | 46.9 d not ea 70.5 | 43.1 t carrots 68.3 | 49.3 (one or 74.6 | 45.9 more ti 72.6 | 50.5 mes duri | ng the 7 | 48.5 7 days b | 53.5 efore the 71.5 | 50.1 e survey 70.1 | 46.9 | | | |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | | | | I | Health 1 | Risk Be | havior : | and Per | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--|--|-----------------------|---------------------|--|------------------------------|----------------|----------------|----------------------------|------------------------|-----------|-------------------------|------|-----------|------------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | _ | | |
| QN76: 1 | Percenta | age of st | tudents v | who did | l not dri | nk milk | (during | the 7 da | ays befor | re the su | ırvey) | | | : | | | |
| | | | | 30.9 | 26.9 | 28.4 | 23.8 | 32.2 | 33.3 | | 29.8 | 35.8 | 41.3 | 30.8 | Increased, 1999-2019 | No quadratic change | No change |
| | - | | | | | | | | | | | | | | | | |
| n a glas | s or cup | | carton, | or with | cereal | | | | er day of int of mi | | | | | | | | |
| n a glas | s or cup | o, from a | carton, before t | or with | cereal | | | | | | | | | one | Decreased, 1999-2019 | No quadratic change | No change |
| n a glas glass, du QNMIL n a glas | s or cup uring the K3: Per s or cup | o, from a e 7 days | e of stud | or with the surv 30.0 ents who or with | a cereal rey) 34.0 no drank | 31.1 c three o | 28.4 or more § | e half pi 28.5 glasses p | int of mi | lk serve | d at sch 22.6 countin | 20.7 | qual to o | 21.6 drank | Decreased, 1999-2019 | No quadratic change | No chang |

^{*}Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

| | | | | H | lealth R | Risk Beh | navior a | nd Perc | centages | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|--------|----------|----------|-----------|---------|----------|----------|-----------|-----------|----------|----------|---------|------|------|------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | | | | | | | | | | | | | | | |
| N77: P | Percenta | age of s | tudents | who did | not eat | breakfas | st (durin | g the 7 o | days bef | fore the | survey) |) | · | : | | | |
| N77: P | Percenta | age of s | rudents ' | who did | not eat | breakfas | st (durin | g the 7 o | days bef | fore the | survey) | 21.3 | 16.7 | 17.6 | No linear change | Not available [¶] | No chan |
| , | | | | | | breakfas | | | | | 19.7 | 21.3 | | 17.6 | No linear change | Not available [¶] | No char |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| 1991 1993 QN91: Percenta while driving (or | ge of stu | dents w | 1999 who rode | 2001 e in a ca | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---|-----------|---------|----------------------|-------------------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|--------|----------------------------|-------------------------------|-------------------------|
| QN91: Percenta | ge of stu | dents w | ho rode | e in a ca | r or othe | | | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | | | | er vehic | | | | | | | 2017 | | | |
| | | | | | ., ., | re the su | | n by sor | neone w | vho was | s texting | or e-m | ailing | | | |
| | | | | | | | | | | | | 56.1 | 57.4 | No linear change | Not available¶ | No change |
| QN92: Percenta in exchange for s | | dents w | ho have | e ever b | een give | en mone | ey, a plac | ce to sta | ıy, food | , or som | nething | else of v | value | | | |
| | | | | | | | | | | | | 8.4 | 3.4 | No linear change | Not available | Decreased |
| QN98: Percenta to quit using tob | | dents w | ho repo | orted tha | at their s | school h | as speci | al group | os or cla | sses for | r studen | ts who v | want | | | |
| | | | | | | | | | | 4.1 | 5.2 | 7.5 | 7.2 | No linear change | Not available | No change |
| QN99: Percenta the student was t | | | | | | | | | oducts in | n the stu | udent's l | nome wl | hile | | | |
| | | | | | | | | | | | 31.9 | 30.9 | 25.8 | No linear change | Not available | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| Black* Site-Add | led | | | H | Iealth F | Risk Beł | navior a | nd Pero | centage | s | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 § |
|---------------------------------|----------|-----------|----------|----------|----------|-----------|-----------|------------|-----------|-----------|----------|---------|----------|-------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN100: one day | | | | | | vehicle v | where so | omeone | was sm | oking a | tobacco | produc | t (on at | least | + | | |
| one day | aaring (| ino / ca | y | e the su | 1,03) | | | | | | | 32.3 | 33.9 | 23.3 | No linear change | Not available [¶] | No change |
| QN101: indoor o lots, and | r outdoo | or public | c places | (such a | s school | l buildin | gs, store | es, restai | ırants, s | | | | | | | | |
| | | | | | | | | | | | | 43.8 | 39.5 | 30.2 | Decreased, 2015-2019 | Not available | No change |
| QN103: people v | | tage of | students | who th | ink emp | oloyers s | should n | ever allo | ow smol | king in i | indoor a | reas in | places v | vhere | | | |
| I - I | | | | | | | | | | | | 84.7 | 89.4 | 79.2 | No linear change | Not available | No change |

^{*}Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $^{^{\$}}$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

| | ıd Viole | | | Н | ealth Ri | sk Beha | vior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---------------------|----------|-----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|-----------|-------|----------------------|-------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN8: P | ercentag | ge of stu | dents w | ho rarel | y or nev | er wore | a seat b | elt (whe | en riding | g in a ca | ar driver | ı by son | neone el | se) | | | |
| | | | | | | | | | | | 23.9 | 14.1 | 13.2 | 9.3 | Decreased, 2013-2019 | Not available§ | No change |
| QN9: P | | | | | | | ho had b | een dri | nking al | lcohol (| in a car | or other | vehicle | , one | | | , |
| or more | times d | uring th | e 30 day | s before | the sur | vey) | | | | | 35.7 | 28.6 | 22.5 | 28.9 | No linear change | Not available | No change |
| | | | udents v | who carr | ied a w | eapon (s | uch as a | gun, kı | nife, or | club, or | at leas | t 1 day | during tl | ne 30 | | | · |
| QN12: 1 | 2 | survey) | | | | | | | | | | | 40.4 | 242 | No linear change | N | |
| QN12: I days bef | ore the | • | | | | | | | | | 25.1 | 24.3 | 19.1 | 24.3 | No linear change | Not available | No change |
| days bef | | | | | | , | | | | | | | | | No illear change | Not available | No change |
| | Percenta | | | | | eapon o | n school | proper | ty (such | as a gu | | | | | No finear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| lispanic njury an | | ence | | | | | | | | | | | | | | | |
|----------------------|----------|----------|---------|--------|-----------|----------|-----------|----------|-----------|------------|----------|----------|-----------|---------|----------------------|-------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN15: I | | | | | | | | | felt unsa | ife at sci | hool or | on their | way to | or | | | |
| | | | | | | | | | | | | 11.1 | 11.0 | 17.6 | No linear change | Not available§ | No change |
| QN17: | Percenta | age of s | tudents | who we | re in a p | hysical | fight (or | ne or mo | ore time | s during | the 12 | months | before | the | , | | · |
| • | | | | | | | | | | | | | 21.0 | 39.4 | Increased, 2017-2019 | Not available | Increased |
| QN19: 1 | Percenta | age of s | tudents | who we | re ever p | hysical | ly force | d to hav | e sexua | l interco | ourse (w | hen the | y did no | ot want | | | |
| , | | | | | | | | | | | 16.3 | 15.9 | 16.2 | 16.3 | No linear change | Not available | No change |
| QN23: | Percenta | age of s | tudents | who we | re bullie | d on sch | ool pro | perty (e | ver duri | ng the 1 | 2 mont | hs befor | re the su | ırvey) | | | |
| | | | | | | | | | | | 23.2 | 25.1 | 25.5 | 24.2 | No linear change | Not available | No change |
| | | | | | | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| ıjury ar | : nd Viole | ence | | T.T. | oolth Di | isk Beha | vion c | d Dare | ntoges | | | | | | Linear Change* | Quadratic Change* | Change from |
|------------------|---------------|-----------|----------|----------|-----------|-----------------------|----------|----------|-----------|----------|------------------|----------------|----------------|-----------|------------------|-------------------|-----------------------|
| | | | | п | eaiui Ki | sk della | avior an | u rerce | entages | | | | | | Linear Change | Quadratic Change | Change from 2017-2019 |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | | | | onically e 12 mo | | | | bullied | l throug | h textir | ıg, Insta | gram, | | | |
| | | | | | | | | | | | | 17.0 | 21.2 | 19.2 | No linear change | Not available§ | No change |
| | | | | | | hopeless g the 12 | | | | ey) | eks in a 42.7 | row so 38.0 | that the | y 43.1 | No linear change | Not available | |
| | | | | | | | | | | | | | | | | | No change |
| - | | age of st | udents v | who seri | ously co | onsidere | d attem | oting su | icide (ev | ver duri | ng the 1 | 2 mont | hs befor | re the | · | | No change |
| QN26: survey) | | age of st | udents v | who seri | iously co | onsidere | d attemp | oting su | icide (ev | | ng the 1 23.0 | 2 mont | hs before 25.4 | 25.9 | No linear change | Not available | No change |
| survey) QN27: | | age of st | | | | onsidere n about l | | | | | 23.0 | 21.2 | 25.4 | 25.9 | No linear change | Not available | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| 7 1999 2001 200 | 3 2005 2007 2009 | 2011 2013 | | | | | | |
|------------------------|----------------------------|---------------------------------------|----------|-----------|----------------|--|--------------------------------------|---|
| | | 2011 201 | 2015 | 2017 | 2019 | • | | |
| s who attempted suicid | e (one or more times durir | ng the 12 mon | hs befor | e the su | rvey) | | | |
| | | 17.8 | 12.2 | 10.9 | 17.4 | No linear change | Not available§ | No change |
| | | · · · · · · · · · · · · · · · · · · · | 17.8 | 17.8 12.2 | 17.8 12.2 10.9 | s who attempted suicide (one or more times during the 12 months before the survey) 17.8 12.2 10.9 17.4 s who had a suicide attempt that resulted in an injury, poisoning, or overdose that had | 17.8 12.2 10.9 17.4 No linear change | 17.8 12.2 10.9 17.4 No linear change Not available [§] |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

| ispanic obacco Use | | | | | | | | | | | | | | | | |
|----------------------------|------------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------------|----------|-----------|----------------------------|-------------------|-----------------------|
| | | | Н | ealth Ri | isk Beha | avior an | d Perc | entages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 |
| 1991 1993 | 3 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN31: Percer | ntage of s | tudents | who firs | t tried c | igarette | smoking | g before | age 13 | years (e | even on | e or two | puffs) | • | | | |
| | | | | | | | | | | | | 12.1 | 15.1 | No linear change | Not available§ | No change |
| QN32: Percer survey) | itage of s | tudents | who curi | rently sr | noked c | igarettes | s (on at | least 1 o | | ng the 3 | 30 days 13.3 | before t | he 6.9 | Decreased, 2013-2019 | Not available | No change |
| QNFRCIG: Palays before the | | | ents who | o curren | tly smol | ked ciga | rettes fr | equentl | y (on 20 | or moi | e days | during t | he 30 | | | |
| | | | | | | | | | | 6.6 | 4.4 | 2.6 | 2.1 | No linear change | Not available | No change |
| | | | | | | | | | | | | | | | | |
| QNDAYCIG: before the surv | | age of st | udents w | who curr | ently sn | noked ci | garettes | daily (| on all 30 |) days d | uring th | ne 30 da | ys | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Hispanic Tobacco | | | | | | | | | | | | | | | | | |
|---------------------------------|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|-----------|---------|----------|--------|------|------------------|-------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | i | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN34: I vape pip eGo, and | es, vapi | ing pens | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 44.3 | 39.2 | 44.6 | No linear change | Not available§ | No change |
| QN35: 1 e-pipes, Plus, eG | vape pi | pes, vap | oing pen | s, e-hoo | kahs, an | ıd hooka | h pens | [such as | blu, NJ | | | | | | | | |
| | | | | | | | | | | | | 19.7 | 7.5 | 14.4 | No linear change | Not available | No change |
| QNFRE during the | | | | | o currei | ntly used | l electro | nic vap | or produ | ucts free | quently | (on 20 o | r more | days | | | |
| | | | | | | | | | | | | 1.2 | 4.1 | 5.6 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Hispanic Tobacco \ | | | | н | ealth Rì | isk Beha | avior ar | nd Perc | entages | | | | | | Linear Change [*] | Quadratic Change [*] | Change from 2017-2019 † |
|----------------------------------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|-------|----------------------------|-------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QNDAY the 30 da | | | | tudents v | who cur | rently us | sed elect | tronic va | apor pro | ducts d | aily (on | all 30 d | ays dur | ing | | | |
| ano so di | ays sere | ne une s | ar veg) | | | | | | | | | 1.2 | 2.1 | 2.7 | No linear change | Not available [§] | No change |
| QNTB5: day duri | | | | | | smoked | l cigaret | tes or us | sed elec | tronic v | apor pro | oducts (| on at le | ast 1 | | | |
| | | | | | | | | | | | | 28.2 | 12.0 | 19.0 | No linear change | Not available | No change |
| QN37: I dissolval vapor pr | ble toba | cco pro | ducts [s | uch as C | Copenha | gen, Gri | izzly, Sk | coal, or | Camel S | | | | | nic | | | |
| | | | | | | | | | | | | | 6.2 | 4.7 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| ispanic obacco l | Use | | | Н | ealth Ri | isk Beh: | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 |
|---------------------|----------|------------|-----------|--------|-----------|----------|-----------|-----------|-----------|-------------|-----------|----------|-----------|------|------------------|-------------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 |) | | |
| | <u> </u> | | | | - | - | | | • | | | - | • | | • | | |
| | | | | | rently si | moked c | cigars (c | igars, ci | garillos, | , or little | e cigars. | on at le | east 1 da | ay | | | |
| | | | | | rently si | moked c | eigars (c | igars, ci | garillos, | , or little | e cigars, | on at le | 7.0 | 10.3 | No linear change | Not available [§] | No change |
| QNTB2: before the | ne 30 da | nys before | re the su | irvey) | | | | | | | 22.8 | 13.6 | 7.0 | 10.3 | No linear change | Not available [§] | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Hispanic Alcohol a | | er Dru | g Use | Н | ealth R | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-----------------------|----------|----------|---------|----------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|-------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN40: | Percenta | age of s | tudents | who hac | l their fi | rst drink | of alco | hol befo | ore age | 13 years | s (other | than a f | ew sips |) | | | |
| | | | | | | | | | | | 37.0 | 24.0 | 17.8 | 29.7 | No linear change | Not available [§] | Increased |
| QN41: the 30 d | | | | who cur | rently d | rank alc | ohol (at | least or | ne drink | of alco | hol, on | at least | l day dı | ıring | | | |
| | | | | | | | | | | | 49.2 | 34.1 | 27.0 | 30.0 | Decreased, 2013-2019 | Not available | No change |
| QN42: female s | tudents | or five | or more | drinks o | of alcoh | | | | | | | | | | | | |
| | | | | | | | | | | | | | 8.6 | 16.9 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | isk Beha | avior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|------------------------------|----------------------------------|-----------|----------|---------------------|-----------|--------------------|------------------------|----------|----------|----------|----------|----------|----------|------|------------------|----------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | • | | |
| QN47: survey) | Percenta | age of st | udents | who curi | rently us | sed mar | juana (c | one or m | ore time | es durin | ng the 3 |) days b | efore th | e | | | |
| - | | | | | | | | | | | 31.6 | 20.4 | 17.8 | 22.7 | No linear change | Not available [§] | No change |
| | | | | | | | | | | | | | | | | | |
| differen | Percenta tly than odone, a | how a d | octor to | ld them | to use it | t (count | ing drug | s such a | | | | | | | | | |
| differen | tly than | how a d | octor to | ld them | to use it | t (count | ing drug | s such a | | | | | | 20.2 | No linear change | Not available | No change |
| differen Hydroco QN52: | tly than | how a d | octor to | ld them e or mor | to use it | t (count during | ing drug their life | s such a | s codeir | ne, Vico | odin, Öz | xyContir | 10.6 | | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Hispanic Sexual Bo | | S | | ш | aalth Di | isk Beh | avian an | nd Dona | onto aos | | | | | | Linear Change [*] | Quadratic Change* | Change from |
|-----------------------|----------|-----------|---------|---------|-----------|-----------|----------|-----------|----------|----------|----------|------------|----------|---------|----------------------------|----------------------------|-------------------------|
| | | | | 11 | eann K | isk Deli | avioi ai | iu r ei c | entages | | | | | | Linear Change | Quadrauc Change | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN58: | Percenta | age of st | tudents | who eve | er had se | exual int | ercourse | ? | | | 52.2 | 40.0 | 39.8 | 53.0 | No linear change | Not available [§] | No change |
| QN59: | Percenta | age of st | tudents | who had | l sexual | intercou | irse for | the first | time be | fore ago | e 13 yea | ars 8.6 | 6.2 | 4.2 | No linear change | Not available | No shanga |
| | | | | | | | | | | | 10.0 | 6.0 | 0.2 | 4.2 | No linear change | Not available | No change |
| QN61: during the | | | | | | ntly sexi | ally act | ive (had | l sexual | interco | urse wi | th at lea | st one p | erson, | | | |
| | | | | | | | | | | | 41.3 | 28.2 | 29.8 | 35.2 | No linear change | Not available | No change |
| QN84: done if t | | | | who we | re ever t | ested fo | r human | immur | odefici | ency vii | rus (HI | V) (not o | counting | g tests | | | |
| | • | | • | | | | | | | | | | 21.3 | 14.6 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | isk Beha | avior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|----------|----------------------|------|----------|---------|----------|------------|----------|----------|-----------|----------|----------|----------|-----------|----------------|------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | T: Percoased on | | | | | | | | | | | tile for | oody ma | ass | | | |
| | | | | | | | | | | | 15.2 | 20.5 | 16.9 | 21.4 | No linear change | Not available [¶] | No change |
| | ESE: Pe | | | | | | | | le for bo | ody mas | ss index | , based | on sex- | and | | | |
| | | | | | | | | | | | 18.3 | 10.5 | 25.6 | 16.7 | No linear change | Not available | No change |
| | | | | | | | | | | | | | | | | | |
| | Percenta he surve | | udents v | who did | not drir | ık fruit j | uice (10 | 0% frui | t juices | one or i | more tir | nes dur | ing the | 7 days | | | - |
| | | | udents v | who did | not drir | ık fruit j | uice (10 | 00% frui | t juices | one or i | more tin | mes duri | ing the 7 | 7 days 31.9 | No linear change | Not available | No change |
| before t | | y) | | | | | | | | | 26.3 | 27.0 | 29.0 | - | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

Not enough years of data to calculate.

| | | | | Н | ealth Ri | sk Beha | avior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|-------------------|----------|-----------|-----------|----------|-----------------------|----------|----------|-----------|-----------------|---------|-----------------|-------------------|-----------|-------|------------------|-------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0 or grape | | | | | | | r drink | 100% fr | uit juice | s (such | as oran | ge juice | , apple j | uice, | | | |
| | | | | | | | | | | | 7.8 | 4.3 | 12.4 | 10.2 | No linear change | Not available§ | No change |
| | | | | | | | | | | | | | | | | | |
| QNFR1 orange j | | | | | | | | | | | | • | | | | | |
| | | | | | | | | | | | imes po 48.7 | er day (s 61.0 | | 57.5 | No linear change | Not available | No change |
| | uice, ap | ple juice | e, or gra | pe juice | , during e fruit o | the 7 da | ays befo | re the su | arvey) es two o | | 48.7 | 61.0 | 55.8 | 57.5 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | sk Beha | avior an | d Perc | entages | | | | | | Linear Change [*] | Quadratic Change* | Change from 2017-2019 † |
|-----------|----------|------------|-----------|--|----------|-----------|---------------------------------------|----------|----------|----------|--------------------------|------------------|--------------------------|--------------------|--|------------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN71: | Percenta | age of st | udents v | who did | not eat | green sa | ılad (one | e or mor | re times | during | the 7 da | ıys befo | re the si | ırvey) | | | |
| | | | | | | | | | | | 43.2 | 48.5 | 49.9 | 38.2 | Decreased, 2013-2019 | Not available§ | No change |
| | | | | | | | | | | | | | | | | | |
| QN72: | Percenta | age of st | tudents v | who did | not eat | potatoes | s (one or | more ti | imes du | ring the | 7 days | before t | the surv | ey) | | | |
| QN72: | Percenta | rage of st | tudents v | who did | not eat | potatoes | s (one or | more ti | imes du | ring the | 7 days 34.8 | before t | the surv | ey) 32.9 | No linear change | Not available | No change |
| | | age of st | | <u>. </u> | | | · · · · · · · · · · · · · · · · · · · | | | | 34.8 | 39.7 | 40.9 | 32.9 | No linear change | Not available | No change |
| | | | | <u>. </u> | | | · · · · · · · · · · · · · · · · · · · | | | | 34.8 | 39.7 | 40.9 | 32.9 | No linear change Decreased, 2013-2019 | Not available Not available | No change |
| QN73: | Percenta | | udents v | who did | not eat | carrots (| one or i | more tin | nes duri | ng the 7 | 34.8 7 days b 61.1 | 39.7 efore th | 40.9 e survey 55.9 | 32.9 y) 45.7 | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | isk Beh | avior ar | nd Perco | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|----------------|----------|------|------|------|----------|---------|----------|----------|---------|------|----------|--------------|------------|-------|------------------|-------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNVEO potatoes | | | | | | | | | | | | g Frenc | h fries, i | fried | | | |
| | | | | | | | | | | | 8.8 | 9.8 | 18.4 | 9.1 | No linear change | Not available§ | No change |
| QNVEO | 31: Perc | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | - 0 - | | (1.6 | No linear change | | |
| | | | | | | | | | | | 53.0 | 53.6 | 54.0 | 61.6 | No linear change | Not available | No change |
| QNVEO | | | | | | | | | | | en salad | , potato | es [exclu | ıding | No illear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | sk Beha | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|------------------------|-----------------|-----------|-----------|----------|---------------------|-----------|----------|-----------|----------|-----------|---------------------|--------------|------------------|--------------|------------------|--|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | 9 | | |
| | | | of stude | | | | | | | | | | | the | | | |
| | Ü | | • | | • | | | | | | Č | • | | | | | |
| urvey) | | | | | | | | | | | 1 | 7 0 | 1.1.0 | 11.0 | N 11 1 | N | 3. 7 1 |
| urvey) | | | | | | | | | | | 16.5 | 7.8 | 14.3 | 11.8 | No linear change | Not available [§] | No chang |
| | Percenta | age of st | tudents v | who did | not drin | ık milk (| (during | the 7 da | ys befor | re the su | | 7.8 | 14.3 | 11.8 | No linear change | Not available [§] | No change |
| | Percenta | age of st | cudents v | who did | not drin | ık milk (| (during | the 7 da | ys befor | re the su | | 7.8 | 28.3 | 11.8 22.5 | No linear change | Not available [§] Not available | No chang |
| QN76: 1 | K1: Per | rcentage | of stud | ents who | o drank | one or r | nore gla | isses per | day of | milk (co | rvey) 22.0 counting | 21.6 the mil | 28.3 k they d | 22.5 | | | |
| QN76: 1 QNMIL n a glas | K1: Pers or cup | rcentage | | ents who | o drank cereal a | one or r | nore gla | isses per | day of | milk (co | rvey) 22.0 counting | 21.6 the mil | 28.3 k they d | 22.5 | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | isk Beh | avior aı | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|-----------|------------------|-----------|-----------|---------|----------|---------|-----------|----------|---------|----------|--------|------|-------------|------|--|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | <u> </u> | | |
| in a glas | K3: Perss or cup | , from a | carton, | | cereal a | | | | | | | | | | | | |
| 5.abb, ut | | • | | | | | | | | | | | | | | | |
| 51455, 41 | | · | | | | | | | | | 6.8 | 8.3 | 5.4 | 4.1 | Decreased, 2013-2019 | Not available§ | No change |
| | Percenta | | | who did | not eat | breakfa | st (durir | g the 7 | days be | fore the | | | 5.4 | 4.1 | Decreased, 2013-2019 | Not available [§] | No change |
| | | | | who did | not eat | breakfa | st (durir | ng the 7 | days be | fore the | | | 5.4 18.8 | 4.1 | Decreased, 2013-2019 No linear change | Not available [§] Not available | No change |
| QN77: | | age of st | eudents v | | | | | | | | survey | 23.2 | 18.8 | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Missouri High School Survey Trend Analysis Report

Hispanic **Physical Activity Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) 33.0 38.7 44.4 41.4 No linear change Not available§ No change QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) 20.5 19.8 No linear change Not available No change 16.5 20.6 QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) 19.0 23.0 25.2 26.4 No linear change Not available No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| | | | | Н | ealth Ri | sk Beha | vior an | d Perce | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|----------|---------------------------|----------------------------------|--------------------|--------------------|-------------------|------------------|-----------------------|---------------------|-------------------|---------------------|------------------------------|-------------------------------|-----------------------------|-----------------|------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN79: | Percenta | age of st | udents v | who wat | ched tel | evision | 3 or mo | re hours | per day | y (on an | averag | e schoo | l day) | | | | |
| | | | | | | | | | | | 30.5 | 21.8 | 22.4 | 21.1 | No linear change | Not available [§] | No change |
| | | | | | | | | | | | | | | | | | |
| | Percentage time sum, Face | pent on | things s | such as 2 | Kbox, Pl | layStatio | on, an iP | ad or ot | her tabl | let, a sm | nartpho | ne, texti | ng, Ŷou | Tube, | No linear change | Not available | No change |
| (countii | ng time s m, Face | pent on book, or age of st | things so other so | such as 2 ocial me | Kbox, Pledia, for | ayStation someth | on, an iP ing that | ad or ot was not | ther table school | et, a sm work, o | nartphon on an av 34.6 | ne, texti verage s 31.2 | ng, Ŷou chool da 38.5 | Tube, (19) 33.8 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

Hispanic **Physical Activity** Linear Change* **Health Risk Behavior and Percentages** Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) Not available§ No linear change No change 25.6 18.9 27.7 19.3 QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey) 16.4 19.4 No linear change Not available No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

^{*}Not enough years of data to calculate.

| Hispanic Other | | | | | | | | | | | | | | | | | |
|-------------------|----------|----------|-----------|---------|-----------|------------|-----------|-----------|----------|-----------|-----------|----------|----------|--------|------------------|----------------------------|-------------------------|
| | | | | Н | ealth R | isk Beh | avior ar | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN86: during tl | | | | | | ist (for a | check-ı | up, exan | n, teeth | cleaning | g, or oth | er denta | al work, | | | | |
| | | | | | | | | | | | | 62.1 | 66.5 | 60.5 | No linear change | Not available [§] | No change |
| QNNOE work) | ONT: P | ercentag | ge of stu | dents w | ho neve | r saw a | dentist (| for a ch | eck-up, | exam, t | eeth cle | aning, o | or other | dental | | | : |
| , | | | | | | | | | | | | 2.4 | 3.4 | 3.0 | No linear change | Not available | No change |
| QN87: 1 | Percenta | age of s | tudents | who had | l ever be | een told | by a doo | ctor or n | urse tha | nt they h | nad asthi | ma | | | | | |
| | | | | | | | | | | | 24.8 | 18.1 | 34.5 | 17.3 | No linear change | Not available | Decreased |
| QN88: 1 | Percenta | age of s | tudents | who got | 8 or mo | ore hour | s of slee | ep (on ar | n averag | e schoo | ol night) | | | | | | |
| | | | | | | | | | | | | 31.5 | 17.7 | 18.1 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| te-Adde | ea | | | Н | ealth R | isk Beha | nvior an | nd Perc | entages | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 |
|---------|----------------------|-----------|---------|---------|-----------|------------|----------|-----------|-----------|-----------|-----------|----------|-----------|---------|------------------|----------------------------|-----------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | | | | | | ar or othe | | | n by sor | neone v | who was | texting | or e-m | ailing | | | |
| | | | | | | | | | | | | | 54.8 | 59.7 | No linear change | Not available [§] | No change |
| | Percenta inge for | | tudents | who hav | ve ever b | een give | en mone | ey, a pla | ce to sta | ay, food | l, or som | nething | else of v | alue | , | | |
| | | | | | | | | | | | | | 12.6 | 9.7 | No linear change | Not available | No change |
| QN95: 1 | Percenta | age of st | tudents | who use | d electro | onic-vap | or prod | ucts ma | inly bec | ause a f | friend or | r family | membe | er used | | | |
| | | | | | | | | | | | | | 7.9 | 6.3 | No linear change | Not available | No change |
| | Percenta sing tob | | tudents | who rep | orted th | at their s | chool h | as speci | al group | os or cla | asses for | studen | ts who v | want | | | |
| | | | | | | | | | | | 7.2 | 2.2 | 8.1 | 6.3 | No linear change | Not available | No chang |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Missouri High School Survey Trend Analysis Report

Hispanic Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2017-2019 † 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 QN99: Percentage of students who reported that someone smoked tobacco products in the student's home while the student was there (on at least one day during the 7 days before the survey) 24.0 28.9 21.7 No linear change Not available§ No change QN100: Percentage of students who rode in a vehicle where someone was smoking a tobacco product (on at least one day during the 7 days before the survey) No change 25.8 24.3 26.0 No linear change Not available QN101: Percentage of students who breathed the smoke from someone who was smoking tobacco products in indoor or outdoor public places (such as school buildings, stores, restaurants, stadiums, school grounds, parking lots, and parks, on at least one day during the 7 days before the survey) 42.2 43.1 39.6 No linear change Not available No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| Hispanic Site-Adde | ispanic te-Added Health Risk Behavior and Percentages | | | | | | | | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † | |
|-----------------------|---|---------|---|----------|-----------|-----------|----------|-----------|-----------|-----------|----------|---------|----------|----------------|-------------------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 5 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 | | | | _ | | | | | | | | | | |
| QN103: people v | | tage of | students | s who th | ink emp | loyers s | hould no | ever allo | ow smol | king in i | indoor a | reas in | places v | where | | | |
| | | | | | | | | | | | | 86.0 | 88.2 | 73.8 | No linear change | Not available [§] | Decreased |
| QN110: asthma | Percen | tage of | students | s who ha | ıd been 1 | told by a | a doctor | or nurse | e that th | ey had a | asthma a | and who | still ha | ive | | | |
| | | | | | | | | | | | 8.8 | 9.9 | 15.1 | 7.3 | No linear change | Not available | No change |
| QN112: [not cou | | | | | | | | | | | | | nning b | ooth | | | |
| | | | | | | | | | | | | 13.6 | 8.8 | 21.1 | No linear change | Not available | No change |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

| lispanic ite-Added | i | | | | | | | | | | | | | | | | |
|-------------------------------------|--------------------------------------|----------|----------|-----------|----------|----------|----------|-----------|-----------|----------|-----------|----------|----------|----------------|-------------------------------|-------------------------|-----------|
| | Health Risk Behavior and Percentages | | | | | | | | | | | | | Linear Change* | Quadratic Change [*] | Change from 2017-2019 † | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | - | | |
| QN113: I for 12 hou more time | urs or n | nore aft | er being | g outside | e in the | sun or a | | | | | | | | | | | |
| | | | | | | | | | | | | | 36.4 | 46.1 | No linear change | Not available§ | No change |
| QN116: I | | | | | e dinnei | at hom | e with a | t least o | ne of the | eir pare | nts on fo | our or m | nore day | /S | , | | |
| | | | | | | | | | | | | 61.6 | 51.3 | 53.7 | No linear change | Not available | No change |
| QN117: I | | | | who st | rongly a | igree or | agree th | at their | teachers | really | care abo | out them | and gi | ve | | | : |
| | | | | | | | | | | | | 57.6 | 69.6 | 53.1 | No linear change | Not available | Decreased |
| QN118: I drama, or | | | | | | | | | e or moi | re hours | s (such a | s sports | s, band, | | | | |
| | | | | | | | | | | | | | | | | | |

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

*Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.